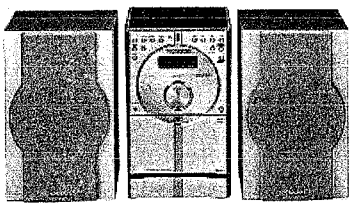
THOMSON

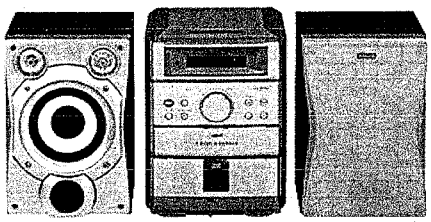
AUDIO

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

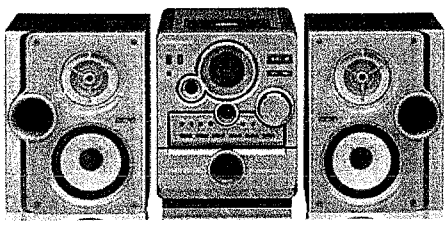
CRKD **2005**



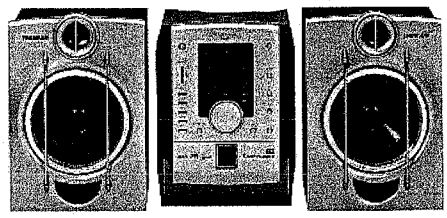
CS86 - CS86M - CS86MU
CS86U - CS190



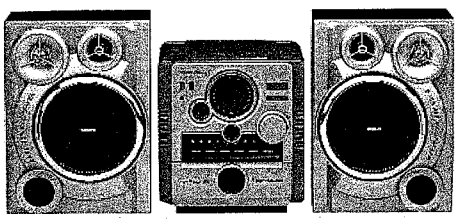
CS530



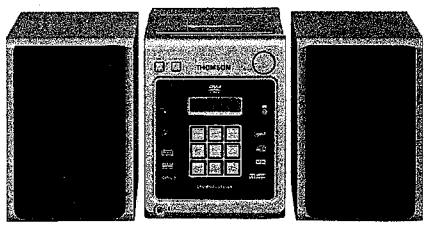
CS520B - CS520M



CS600 - CS600B - CS600U
CS700 - CS700B - CS700U



MS3300 - MS3300B
MS4300 - MS4300B - MS4300U



CS900VD

WARNING : *Before servicing this chassis read the safety recommendations.*
ATTENTION : *Avant toute intervention sur ce châssis, lire les recommandations de sécurité.*
ACHTUNG : *Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.*
ATTENZIONE : *Prima di intervenire sullo chassis, leggere le norme di sicurezza.*
IMPORTANTE : *Antes de cualquier intervención, leer las recomendaciones de seguridad.*

Code : 359 479 00 - 0805 / 4,8M - CRKD Print. Rosseels Printing: 01 53 01 11 11

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CLASS 1 LASER PRODUCT
APPAREIL A LASER DE CLASSE 1
LASER KLASSE 1
APARATO CON LASER DE CLASE 1
APPARECCHIO CON LASER DI CLASSE 1

DANGER :	**Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.**
ATTENTION :	**Le rayon laser est invisible. Eviter l'exposition directe lors de la maintenance.**
VORSICHT BEI REPARATUREN :	**Bei geöffneter Schublade und Defekt der Sicherheits - vorrichtungen besteht die Gefahr unsichtbaren Laserlichts. Niemals direkt in den Laserstrahl sehen.**
ATTENZIONE :	**Il raggio laser è invisible. Evitare l'esposizione diretta durante la manutenzione.**
IMPORTANTE :	**El rayo laser es invisible. Evitar la exposición directa en el momento del mantenimiento.**

Do not disconnect modules when they are energized!
Repairs on power supply section are to be carried out only with isolating transformer.

Ne pas retirer les modules lorsqu' ils sont sous tension. N'effectuer les travaux de maintenance sur la partie reliée au secteur (Switch Mode) qu'au travers d'un transformateur d'isolement.

Module nicht bei eingeschaltetem Gerät entfernen!
Servicearbeiten am Netzteil nur unter Verwendung eines Regeltrenntrafos durchführen.

Non scollegare le piastre quando sono alimentate!
Per le riparazioni sulla sezione alimentatore, utilizzare un trasformatore isolatore.

No desconectar los módulos cuando están activados. Las reparaciones en la sección de alimentación de energía deben ser ejecutadas solamente con un transformador de separación.

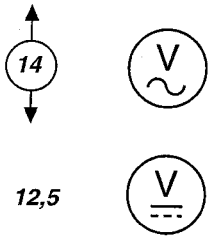
⚠ Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be garanteed.

Le remplacement des éléments de sécurité (repérés avec le symbole ⚠) par des composants non homologués selon la Norme CEI 65 entraine la non-conformité de l'appareil. Dans ce cas, la responsabilité du fabricant n'est plus engagée.

Wenn Sicherheitsteile (mit dem Symbol ⚠ gekennzeichnet) nicht durch Original - Ersatzteile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione dei componenti di sicurezza (evidenziati con il segno ⚠) con componenti non omologati secondo la norma CEI 65 comporta la non conformitá dell'apparecchio. In tal caso è "esclusa la responsabilità " del costruttore.

La sustitución de elementos de seguridad (marcados con el simbolo ⚠) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato. En ese caso, el fabricante cesa de ser responsable.



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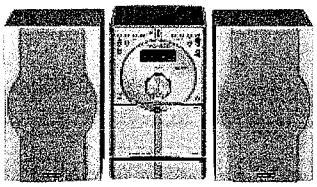
CS86 - CS86U

Version (PC*): A

CS86M - CS86MU

Version (PC*): B

PC: The version code is indicated either in the battery compartment or on the back of the unit - ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC: Version des Geräts wird im Batteriefach oder auf de Rückseite angegeben - il codice della versione è indicado nello scompartimento delle batterie o sul retro dell'apparecchio - el código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Caracteristicas del aparato

Type of set: **Type d'appareil:** **Geräteart:** **Tipo d'apparecchio:** **Tipo de aparato:**	Two-in-one horizontale combination/DAD Ensemble compact stéréophonique DAD-2er Horizontal Kompaktanlage Compatto Hifi/CD Equipo compacto estereofónico/DAD	↔ 190 mm ↕ 286 mm ↗ 310 mm 8kg	
Power supply: **Alimentation:** **Stromversorgung:** **Alimentazione:** **Alimentación:**	230 V ~ 50Hz	**Nominal output power:** **Puissance nominale de sortie:** **Nennausgangsleistung:** **Potenza nominale di uscita:** **Potencia nominal de salida:**	2 x 100W (rms) 2 x 300W (music)
FM - MF: **MW - PO:** **LW - GO:**	87.5 - 108 MHz 522 - 1611 kHz 150 - 283 kHz	**Sensitivity:** **Sensibilité:** **Empfindlichkeit:** **Sensibilità:** **Sensibilidad:**	**FM - MF:** 8µV (S/N = 26 dB) **MW - PO:** 1000µV/m (S/N = 20 dB) **LW - GO:** 2500µV/m (S/N = 20 dB)
Frequency response: **Courbe de réponse:** **Frequenzgang:** **Curva di risposta:** **Curva de respuesta:**	125 Hz - 6.3 kHz (5 dB)	**Signal to noise ratio:** **Rapport signal / bruit:** **Geräuschspannungabstand:** **Rapporto segnale / disturbo:** **Relación señal / ruido:**	38 dB
Wow and flutter: **Fluctuations:** **Gleichlauf:** **Fluttuazioni:** **Fluctuaciones:**	0,3%	→	4,75 cm/s
		<< ◀◀ >> << ▶▶ >>	C60: 170s
Disc rotation speed: **Vitesse de rotation du disque:** **CD-Drehgeschwindigkeit:** **Velocità di rotazione del disco:** **Velocidad de rotación del disco:**	200 ➡ 500 tr/mn	**Frequency response:** **Courbe de réponse:** **Frequenzgang:** **Curva di risposta:** **Curva de respuesta:**	60 Hz - 16 kHz (-3 dB)
Stereo separation : **Diaphonie :** **Übersprechdämpfung :** **Diafonia :** **Diafonía :**	40 dB	**Signal to noise ratio:** **Rapport signal / bruit:** **Geräuschspannungabstand:** **Rapporto segnale / disturbo:** **Relación señal / ruido:**	60 dB

DAD

WARNING : ***Before servicing this chassis read the safety recommendations.***
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ACHTUNG : ***Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.***
ATTENZIONE : ***Prima di intervenire sullo chassis, leggere le norme di sicurezza.***
IMPORTANTE : ***Antes de cualquier intervención, leer las recomendaciones de seguridad.***

0805 - CRKD2157 - CRKD2157B

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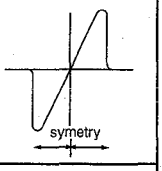
ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONI - AJUSTES

AM alignment

		Gf	f	18888 kHZ		
IF	1		450 kHz		T201	Max.
Osc	2	MW	522 kHz		L206	Vt = 1.1 ±0.1 V
	3		1620 kHz			Vt = 7.5 ±0.5 V
	4	LW	150 kHz		L205	Vt = 1.8 ±0.1V
	5		283 kHz			Vt = 5.5 ±0.5V
MW	6	Gf Ve = 1 mV	603 kHz	603 kHz	MW coil	Max.
	7		1404 kHz	1404 kHz	TC203	
LW	8		164 kHz	164 kHz	LW coil	Max.
	9		272 kHz	272 kHz	TC202	

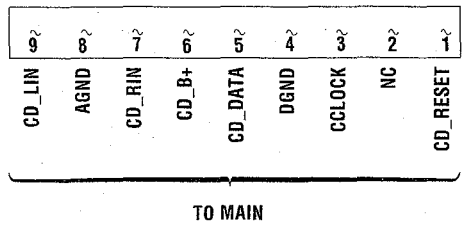
FM alignment

		Gf	f	18888 kHZ		
IF	1	Gf Ve = 1 mV	10.7 MHz			Max. 
Osc	2	Gf Ve = 1 mV	87.5 MHz		L202	Vt = 2.0 ±0.1 V
	3		108 MHz			Vt = 7.0 ±0.5 V
RF	4	Gf Ve = 1 mV	90.1 MHz	90.1 MHz	L201	Max.
	5		106.1 MHz	106.1 MHz	TC201	

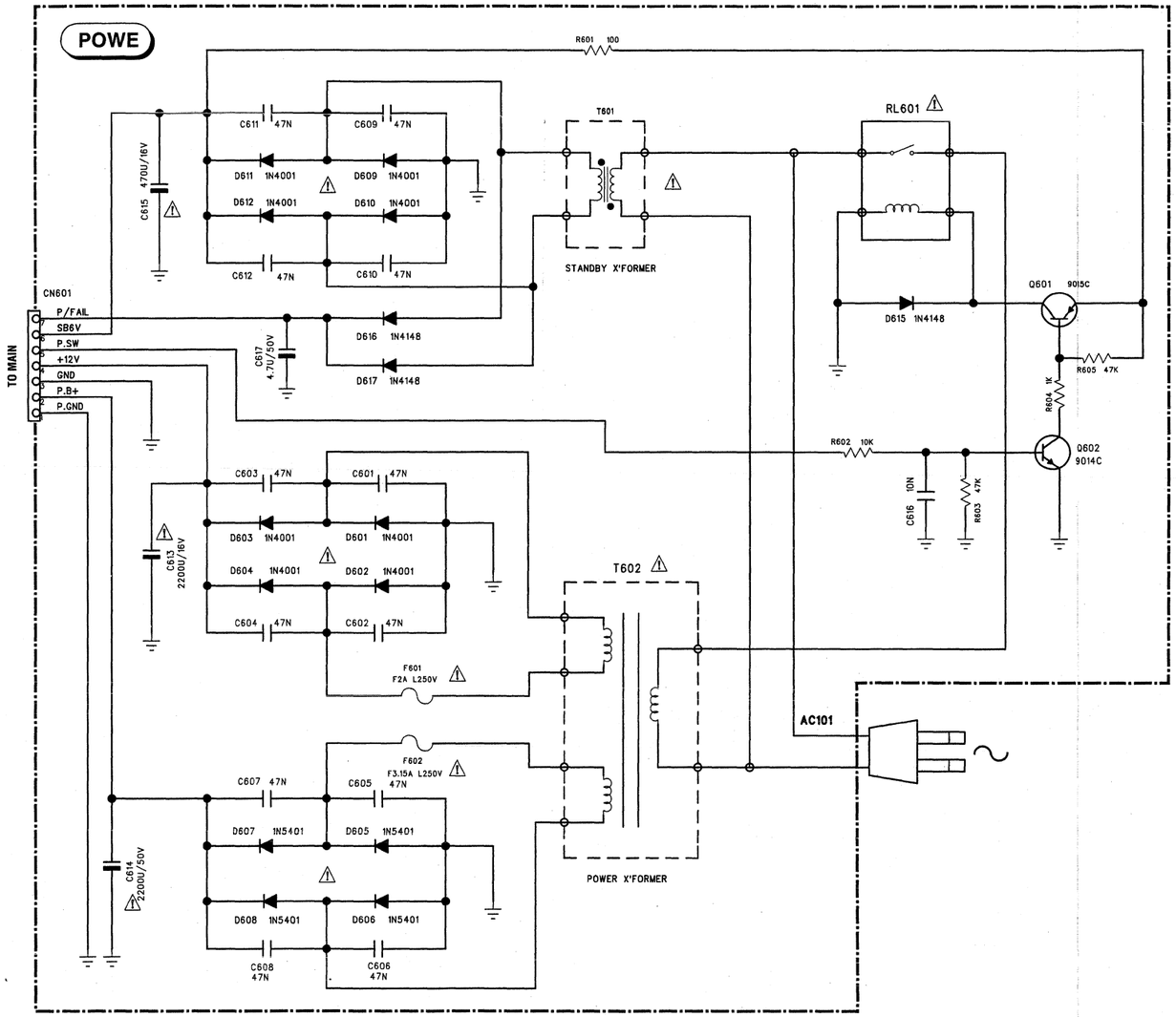
DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE - ESQUEMA DEL TRATAMIENTO DIGITAL (CRKD2157)

The complete Digital Processing Module is available from A.S.S. under Part Number :
En SAV, l'ensemble du module traitement digital est géré sous le code :
Die Sevice Bestell-Nr. für das Modul "Digital Processing kompl." ist :
Il codice del modulo completo di elaborazione digitale è :
En postventa, el modulo completo tratamiento digital lleva el código :

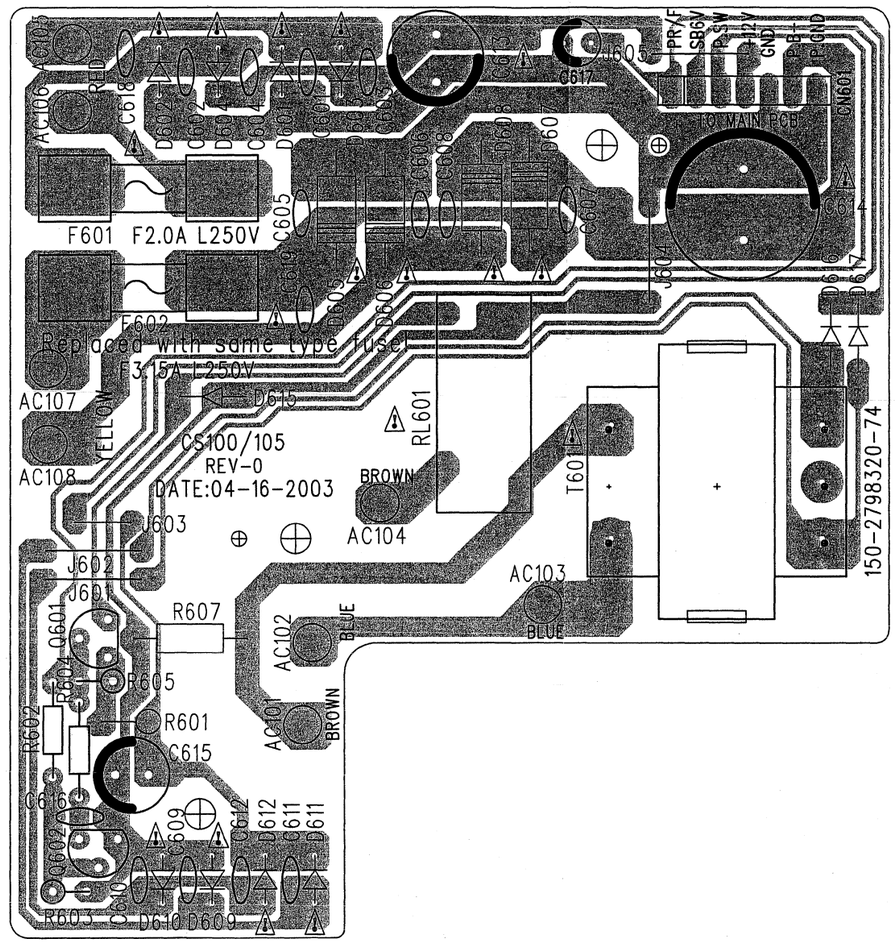
108 761 10

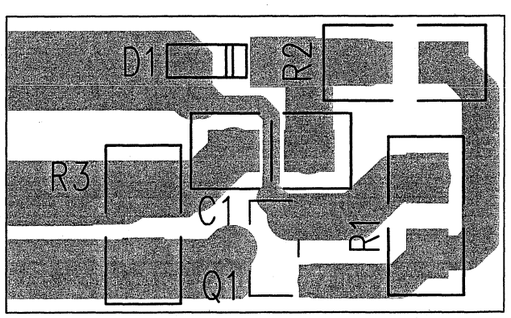


POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION - SCHALTBILD NETZTEIL
SCHEMA DELL'ALIMENTAZIONE - ESQUEMA DE LA ALIMENTACIÓN

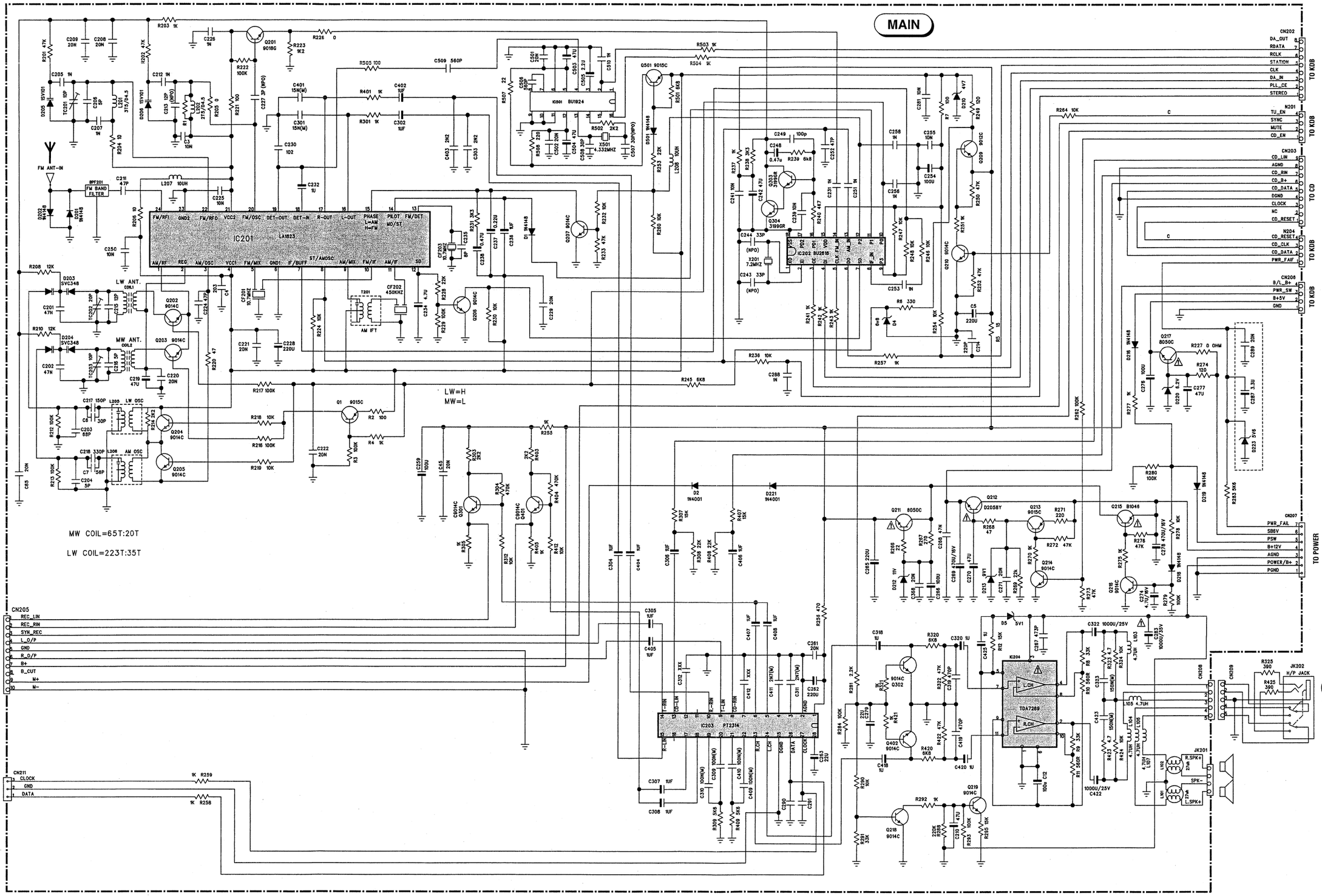


Power unit P.C.B.
Platine secteur
Ltpl. Netzanschluss
Piastra di rete
Platina de red





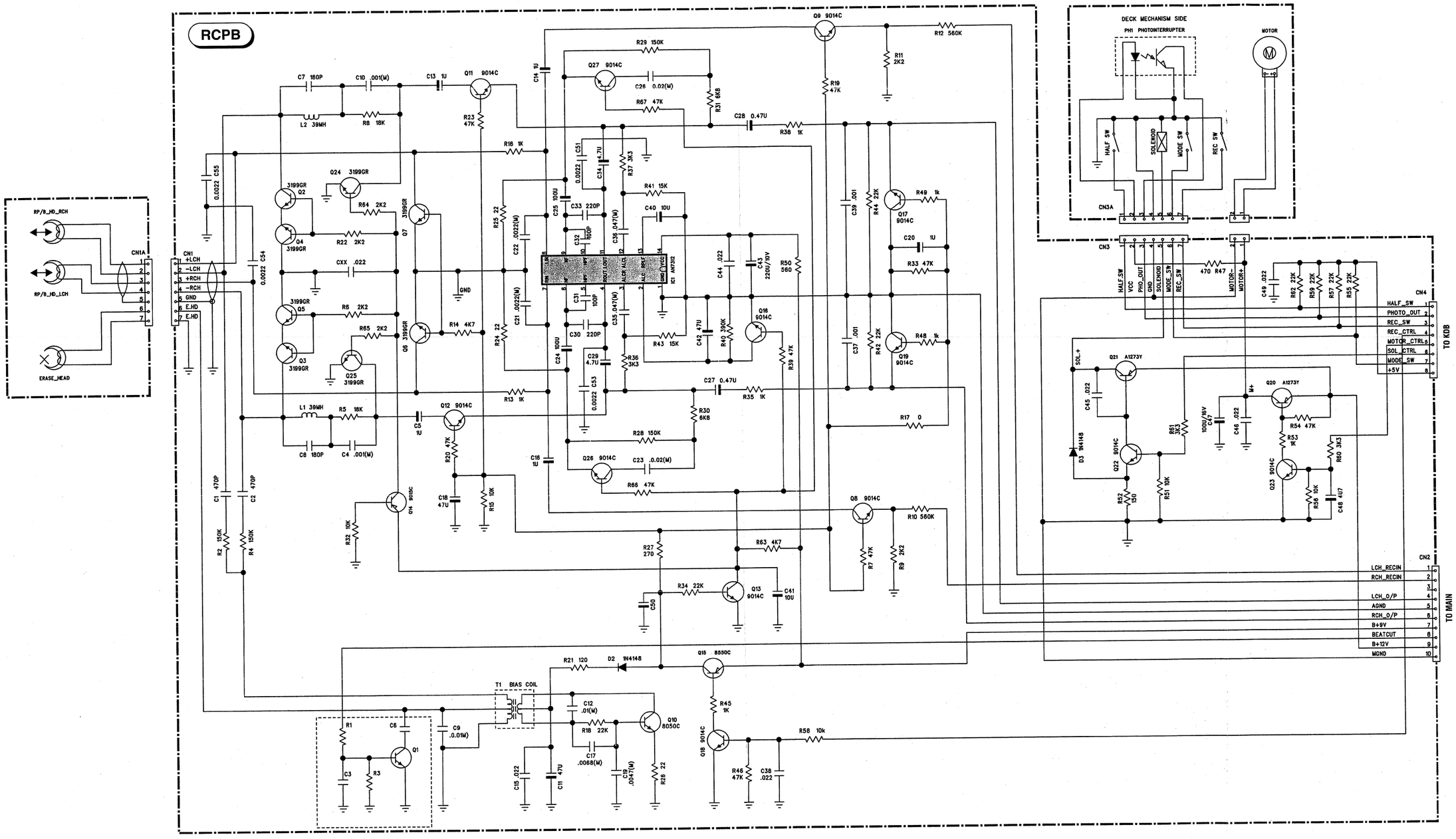
MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL



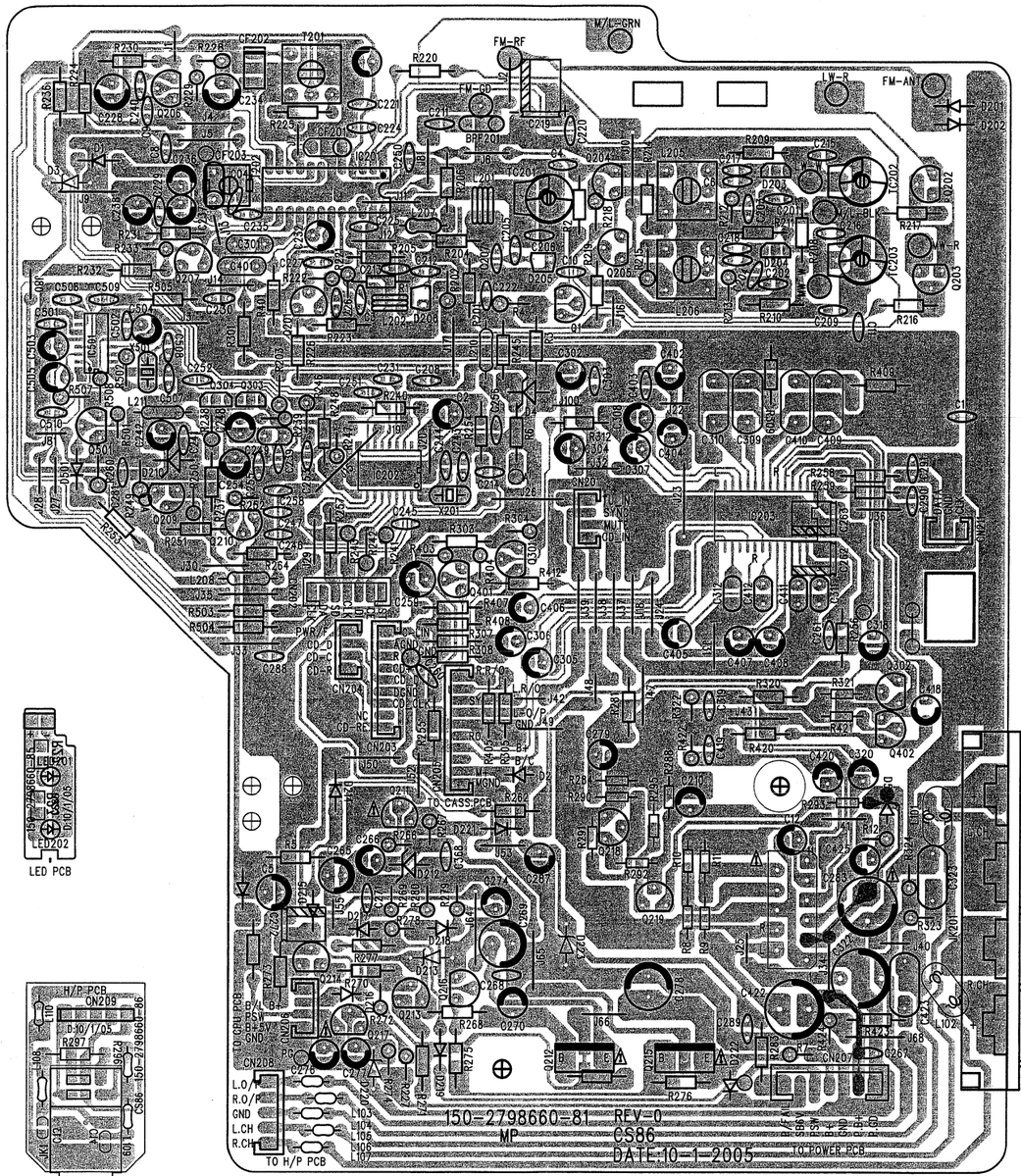
CRKD2157 / CRKD2157B
First issue 08/05

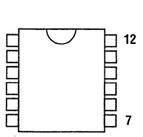
THOM-00105 / DRUCK:2

RECORD / PLAYBACK SCHEMATIC DIAGRAM - SCHEMA ENREGISTREMENT / LECTURE - SCHALTBILD AUFNAHME / WIEDERGABE - SCHEMA REGISTRAZIONE / RIPRODUZIONE ESQUEMA GRABACIÓN / REPRODUCCIÓN

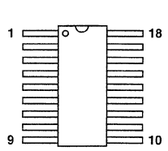


Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

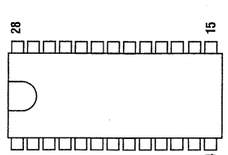




LA1823



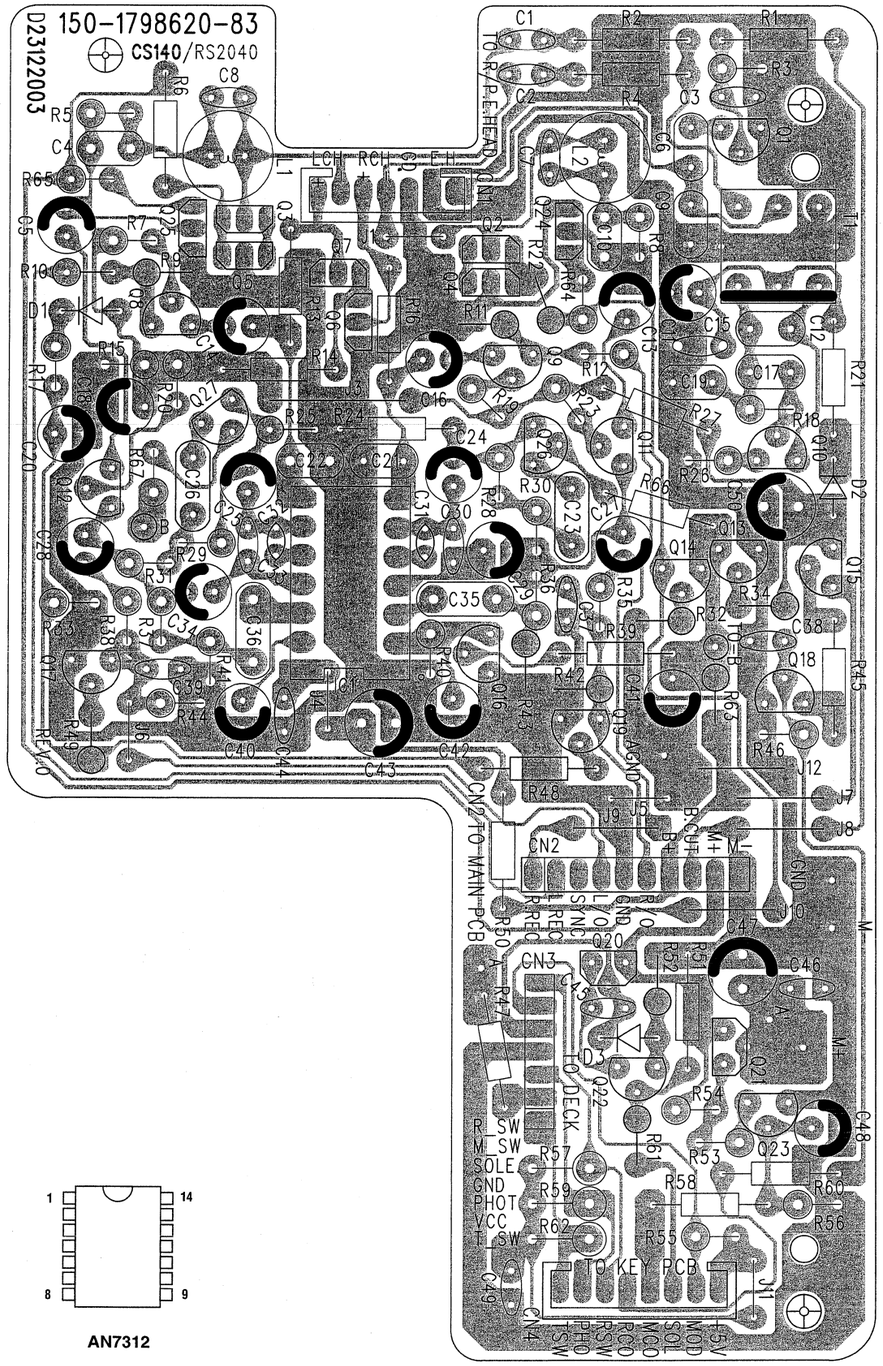
BU2616



PT2314

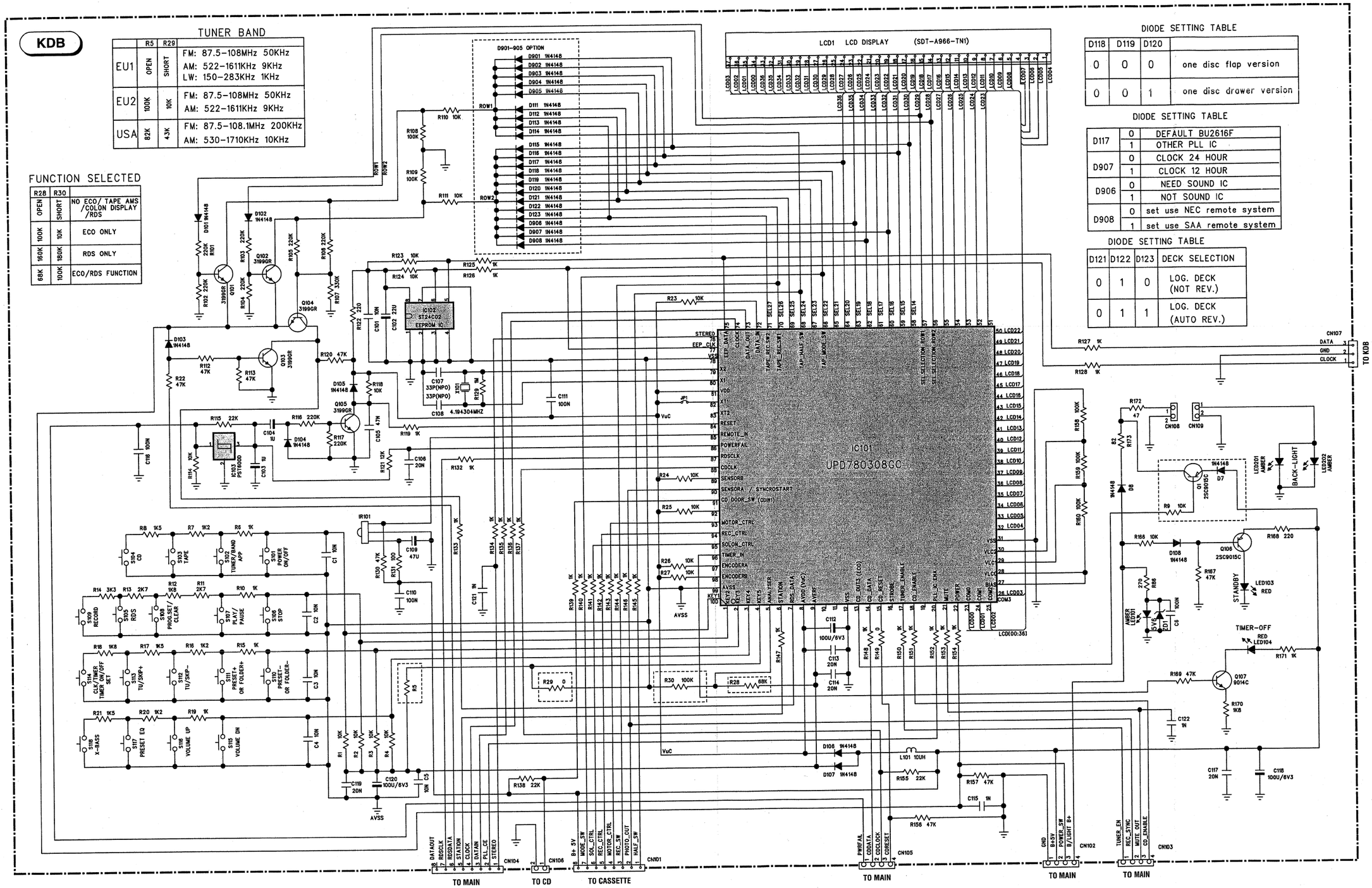
THOM-00105 / DRUCK:4

Record / playback P.C.B.
Platine enregistrement / lecture
Ltpl. Aufnahme / Wiedergabe
Piastra registrazione / riproduzione
Platina grabación / reproducción

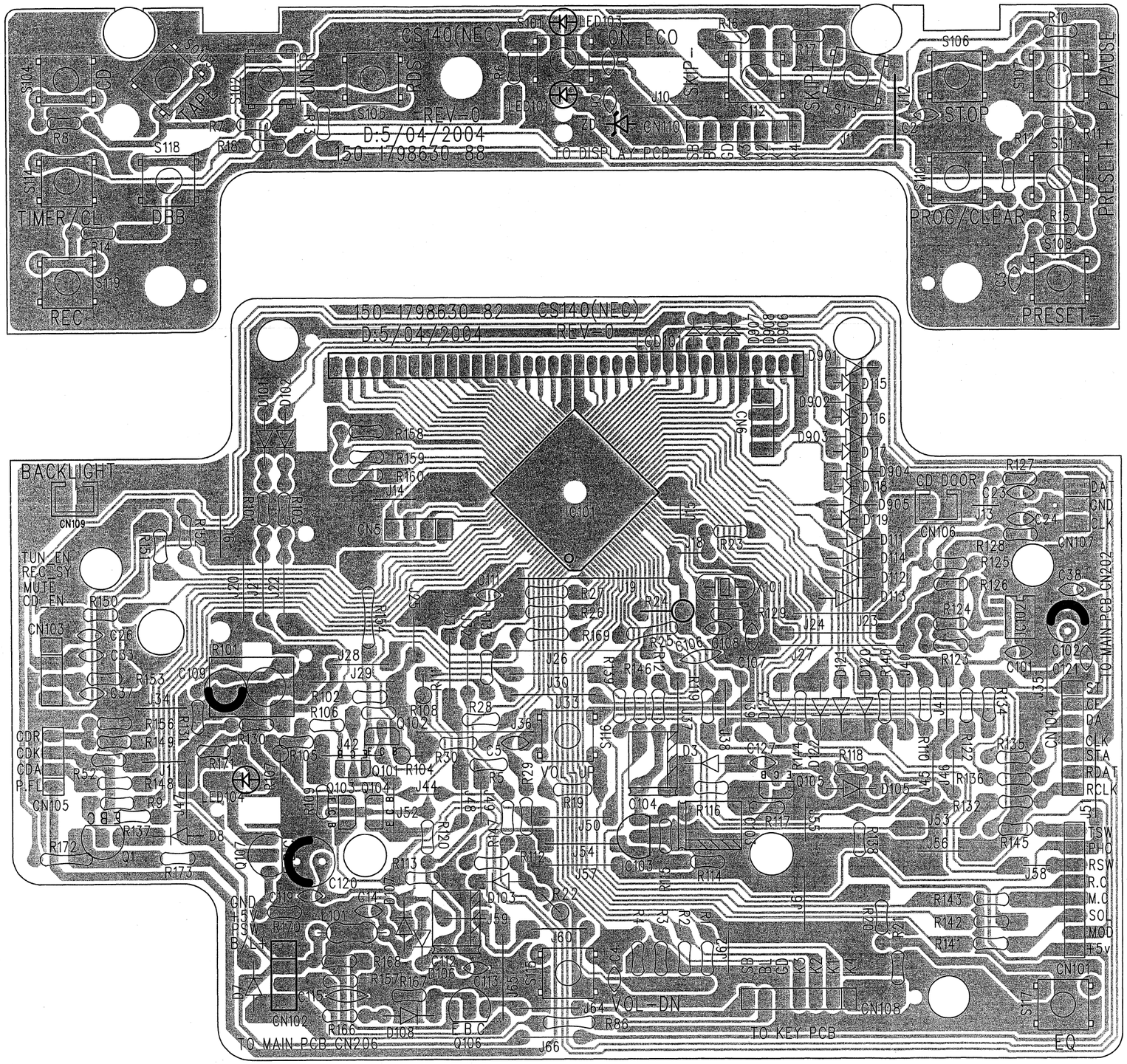


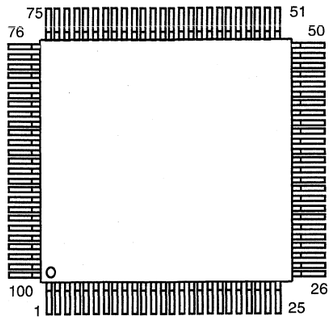
AN7312

CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR - SCHALTBILD BEDIENTEIL / ANZEIGE - SCHEMA COMANDI / INDICATORE ESQUEMA MANDOS / INDICADOR



Control / display P.C.B.
Platine commandes / afficheur
Ltpl. Bedienteil / Anzeige
Piastra comandi / indicatore
Platina de mandos / indicador





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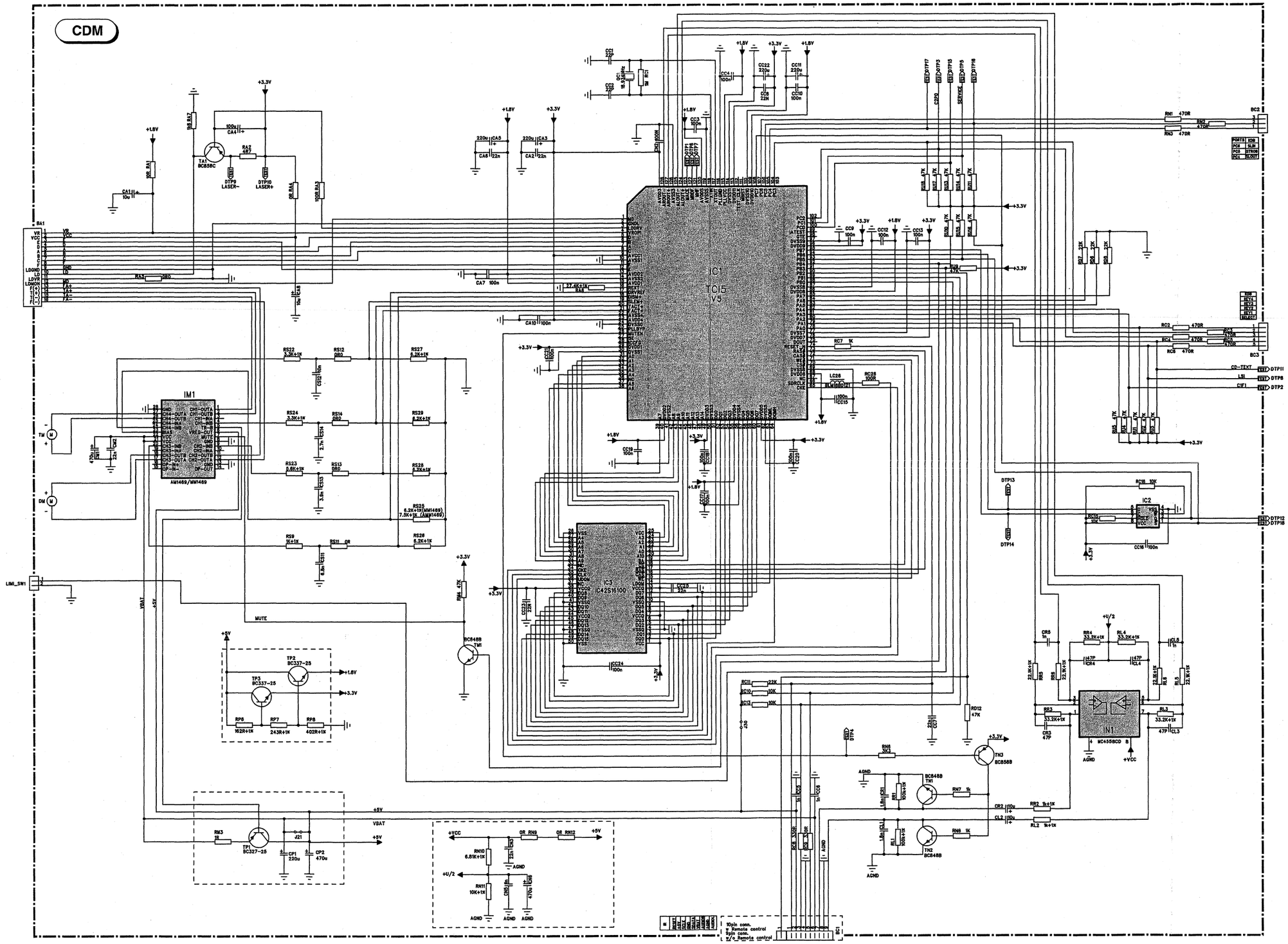
First issue 08/05

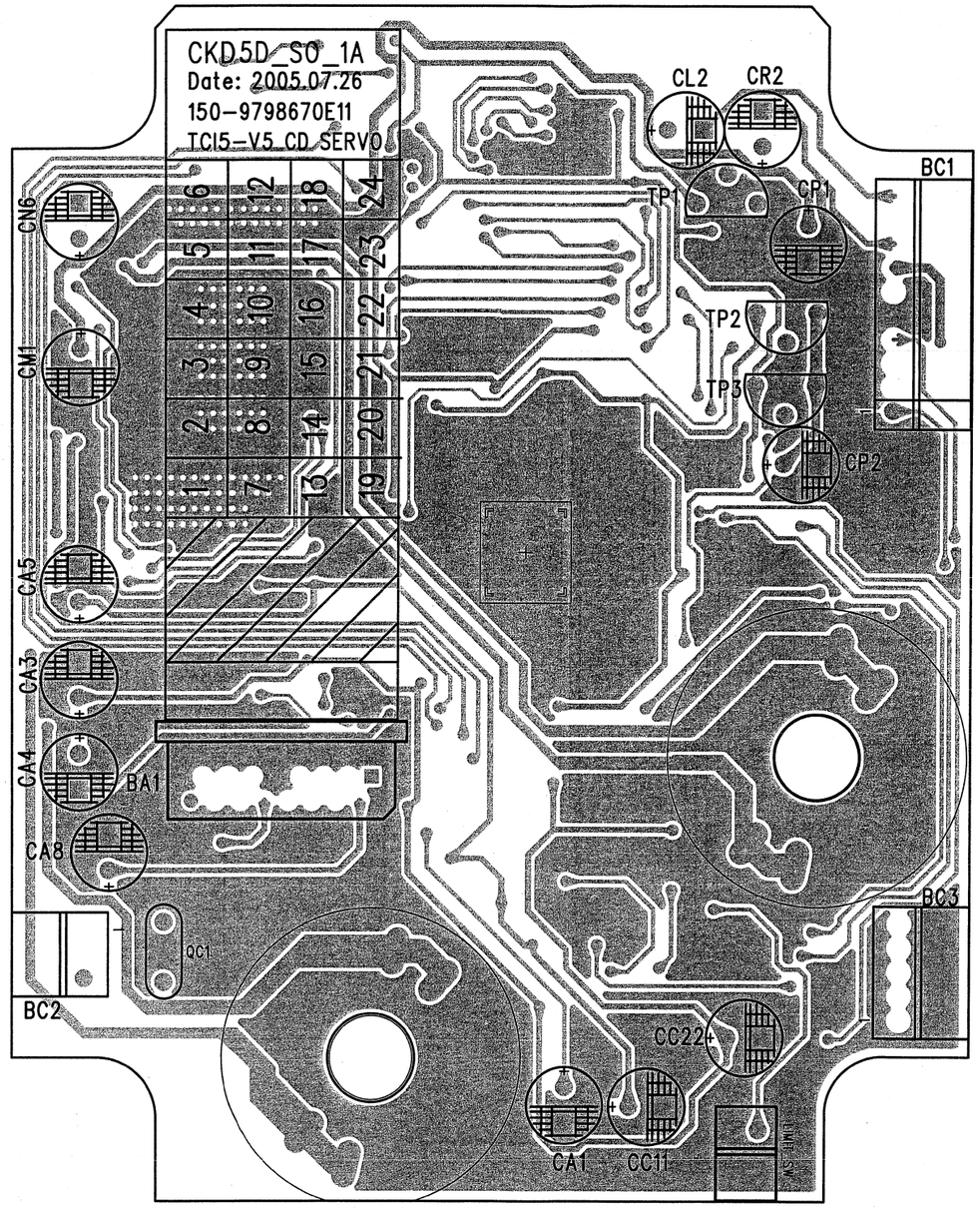
THOM-00105 / DRUCK:6

CD MOTOR CONTROL SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE COMMANDES MOTEURS CD - CD WECHSLER-MOTOR SCHALTBILD - SCHEMA DELLA PIASTRA COMANDI MOTORI CD - ESQUEMA DE LA PLATINA MANDOS MOTORES CD
(CRKD2157B)

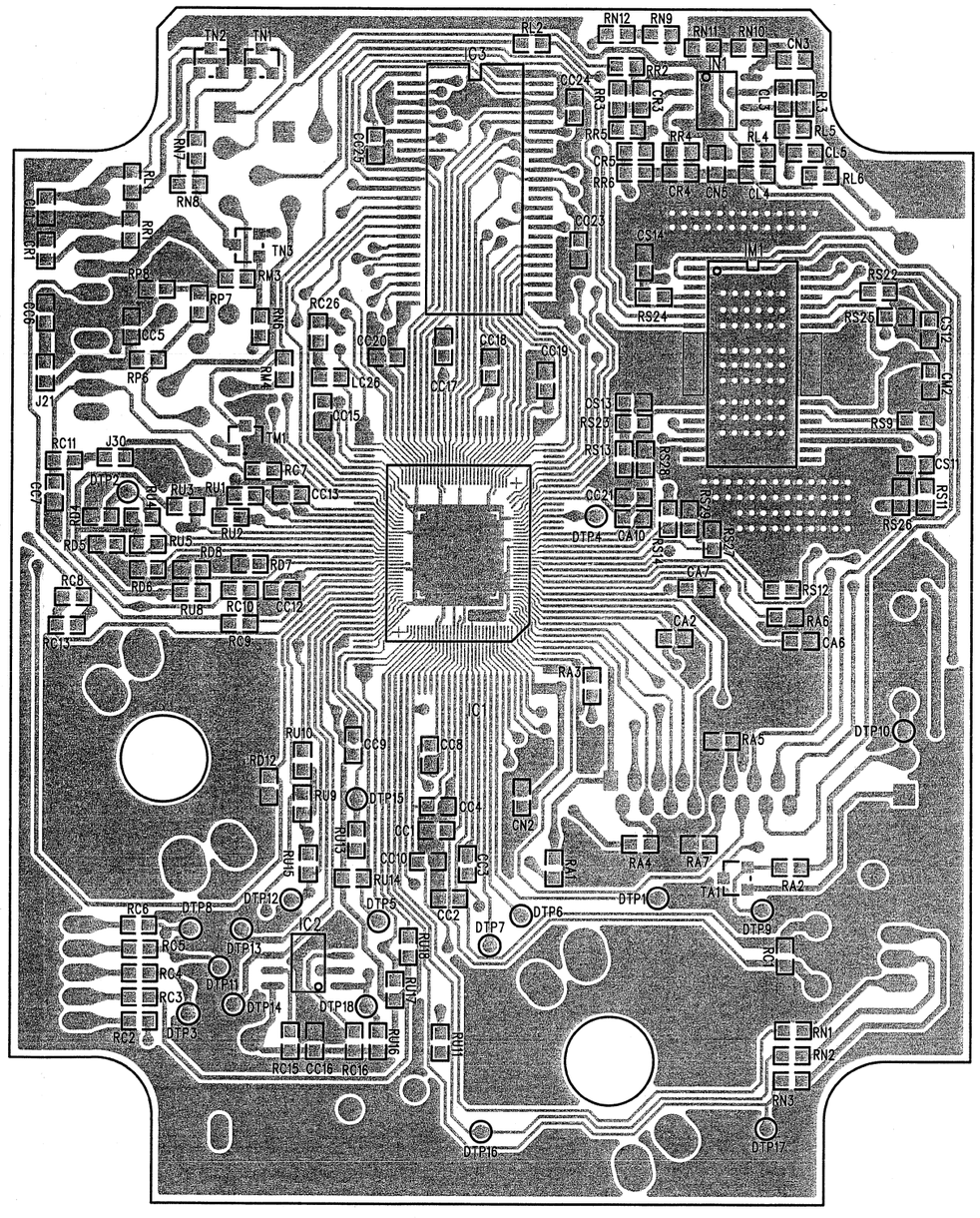


CD motor control P.C.B.
Platine commandes moteurs CD
Ltpl. CD wechsler-motor
Piastra comandi motori CD
Platina mandos motores CD
(CRKD2157B)

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre



THOM-00105 / DRUCK:8

THOMSON

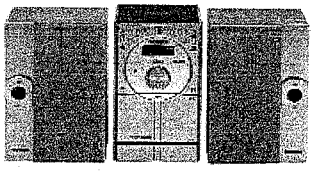
AUDIO

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

CS190

Version (PC*): A

*PC: The version code is indicated either in the battery compartment or on the back of the unit - ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC: Version des Geräts wird im Batteriefach oder auf de Rückseite angegeben - il codice della versione è indicado nello scompartimento delle batterie o sul retro dell'apparecchio - el código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Caracteristicas del aparato

Type of set: **Type d'appareil:** **Geräteart:** **Tipo d'apparecchio:** **Tipo de aparato:**	Two-in-one horizontale combination/DAD Ensemble compact stéréophonique DAD-2er Horizontal Kompaktanlage Compatto Hifi/CD Equipo compacto estereofónico/DAD	⟷ 190 mm ↕ 286 mm ↗ 310 mm 8kg
Power supply: **Alimentation:** **Stromversorgung:** **Alimentazione:** **Alimentación:**	230 V ~ 50Hz	**Nominal output power:** **Puissance nominale de sortie:** **Nennausgangsleistung:** 2 x 100W (rms) **Potenza nominale di uscita:** 2 x 300W (music) **Potencia nominal de salida:**
FM - MF: **MW - PO:** **LW - GO:**	87.5 - 108 MHz 522 - 1611 kHz 150 - 283 kHz	**Sensitivity:** **Sensibilité:** **FM - MF:** 8µV (S/N = 26 dB) **Empfindlichkeit:** **MW - PO:** 1000µV/m (S/N = 20 dB) **Sensibilità:** **LW - GO:** 2500µV/m (S/N = 20 dB) **Sensibilidad:**
Frequency response: **Courbe de réponse:** **Frequenzgang:** **Curva di risposta:** **Curva de respuesta:**	125 Hz - 6.3 kHz (5 dB)	**Signal to noise ratio:** **Rapport signal / bruit:** **Geräuschspannungabstand:** 38 dB **Rapporto segnale / disturbo:** **Relación señal / ruido:**
Wow and flutter: **Fluctuations:** **Gleichlauf:** **Fluttuazioni:** **Fluctuaciones:**	0,3%	→ 4,75 cm/s << ◀◀ >> << ▶▶ >> C60: 170s
Disc rotation speed: **Vitesse de rotation du disque:** **CD-Drehgeschwindigkeit:** **Velocità di rotazione del disco:** **Velocidad de rotación del disco:**	200 ➡ 500 tr/mn	**Frequency response:** **Courbe de réponse:** **Frequenzgang:** 60 Hz - 16 kHz **Curva di risposta:** (-3 dB) **Curva de respuesta:**
Stereo separation : **Diaphonie :** **Übersprechdämpfung :** **Diafonia :** **Diafonía :**	40 dB	**Signal to noise ratio:** **Rapport signal / bruit:** **Geräuschspannungabstand:** 60 dB **Rapporto segnale / disturbo:** **Relación señal / ruido:**

DAD

WARNING : ***Before servicing this chassis read the safety recommendations.***
ATTENTION : ***Avant toute intervention sur ce châssis, lire les recommandations de sécurité.***
ACHTUNG : ***Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.***
ATTENZIONE : ***Prima di intervenire sullo chassis, leggere le norme di sicurezza.***
IMPORTANTE : ***Antes de cualquier intervención, leer las recomendaciones de seguridad.***

0805 - CRKD2158

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ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONI - AJUSTES

AM alignment

		Gf	f	18888 kHz		V
IF	1		450 kHz		T201	Max.
Osc	2	MW	522 kHz		L206	Vt = 1.1 ±0.1 V
	3		1620 kHz			Vt = 7.5 ±0.5 V
	4	LW	150 kHz		L205	Vt = 1.8 ±0.1V
	5		283 kHz			Vt = 5.5 ±0.5V
MW	6	Gf Ve = 1 mV	603 kHz	603 kHz	MW coil	Max.
	7		1404 kHz	1404 kHz	TC203	
LW	8		164 kHz	164 kHz	LW coil	Max.
	9		272 kHz	272 kHz	TC202	

FM alignment

		Gf	f	18888 kHz		V
IF	1	Gf Ve = 1 mV	10.7 MHz			Max. symetry
Osc	2	Gf Ve = 1 mV	87.5 MHz		L202	Vt = 2.0 ±0.1 V
	3		108 MHz			Vt = 7.0 ±0.5 V
RF	4	Gf Ve = 1 mV	90.1 MHz	90.1 MHz	L201	Max.
	5		106.1 MHz	106.1 MHz	TC201	

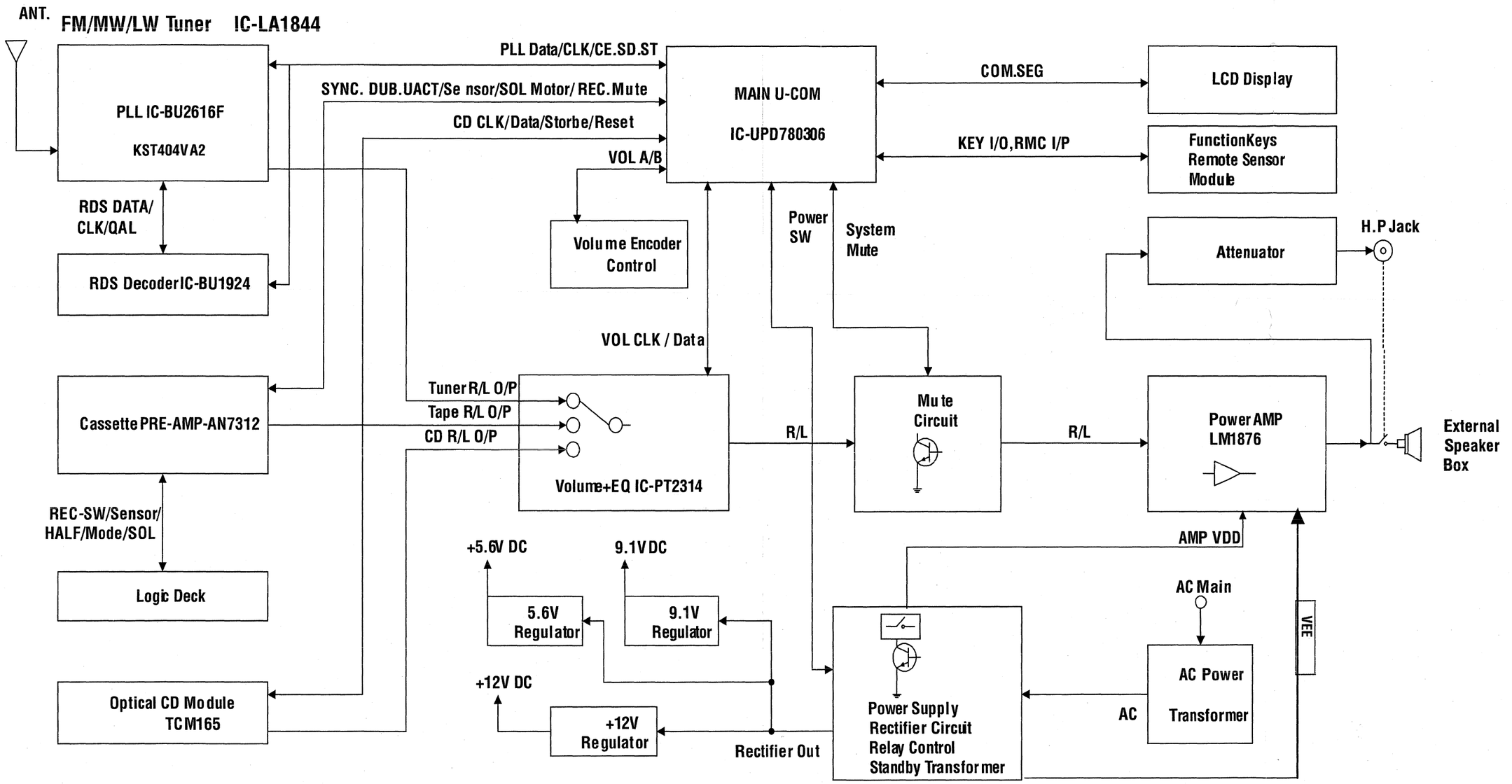
DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE - ESQUEMA DEL TRATAMIENTO DIGITAL

The complete Digital Processing Module is available from A.S.S. under Part Number :
En SAV, l'ensemble du module traitement digital est géré sous le code :
Die Sevice Bestell-Nr. für das Modul "Digital Processing kompl." ist :
Il codice del modulo completo di elaborazione digitale è :
En postventa, el modulo completo tratamiento digital lleva el código :

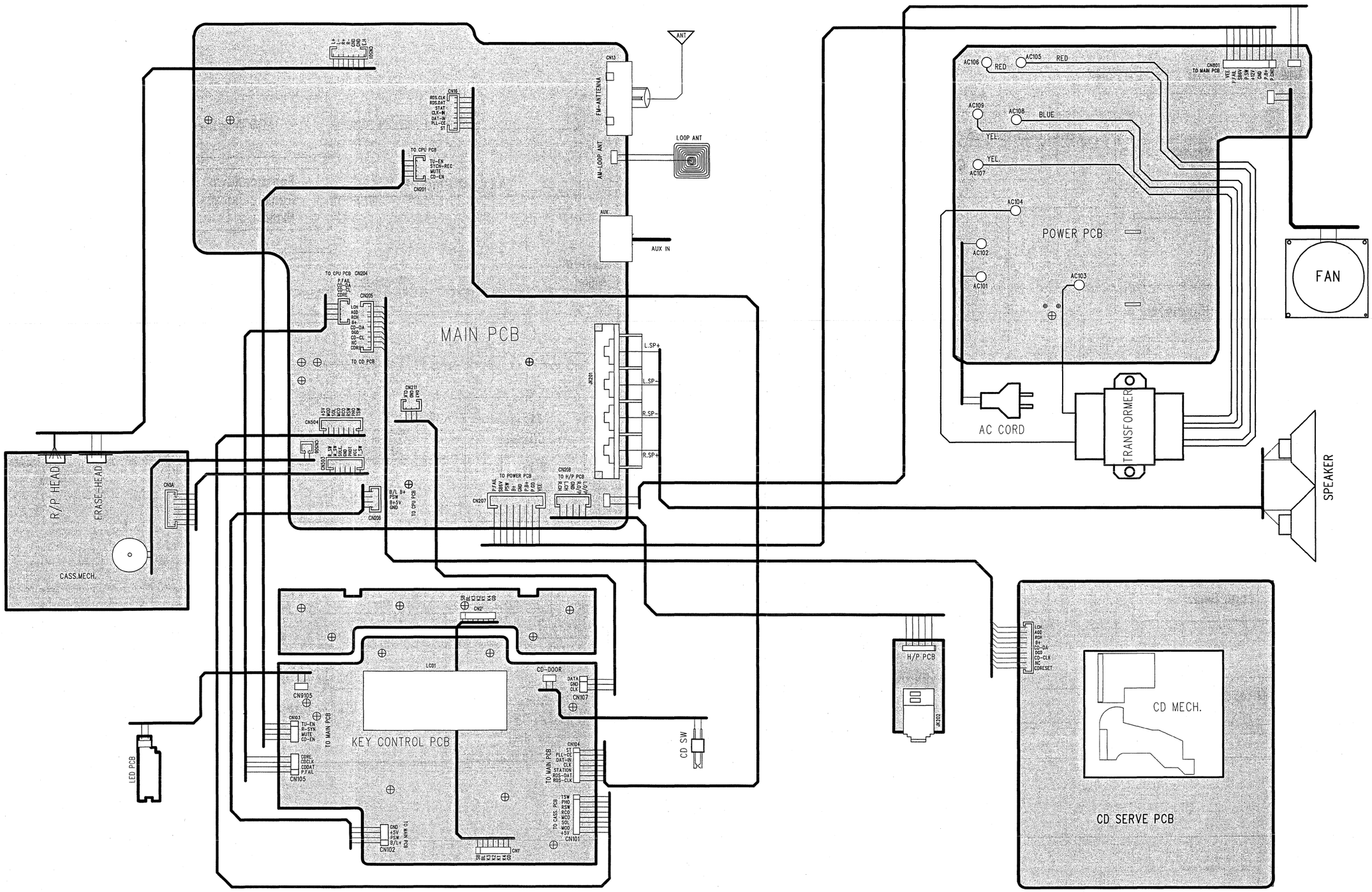
108 578 80

359 480 80 (SVB)

BLOCK DIAGRAM - SCHEMA SYNOPTIQUE - BLOCKSCHALTBILD - SCHEMA A BLOCCHI - ESQUEMA DE BLOQUES



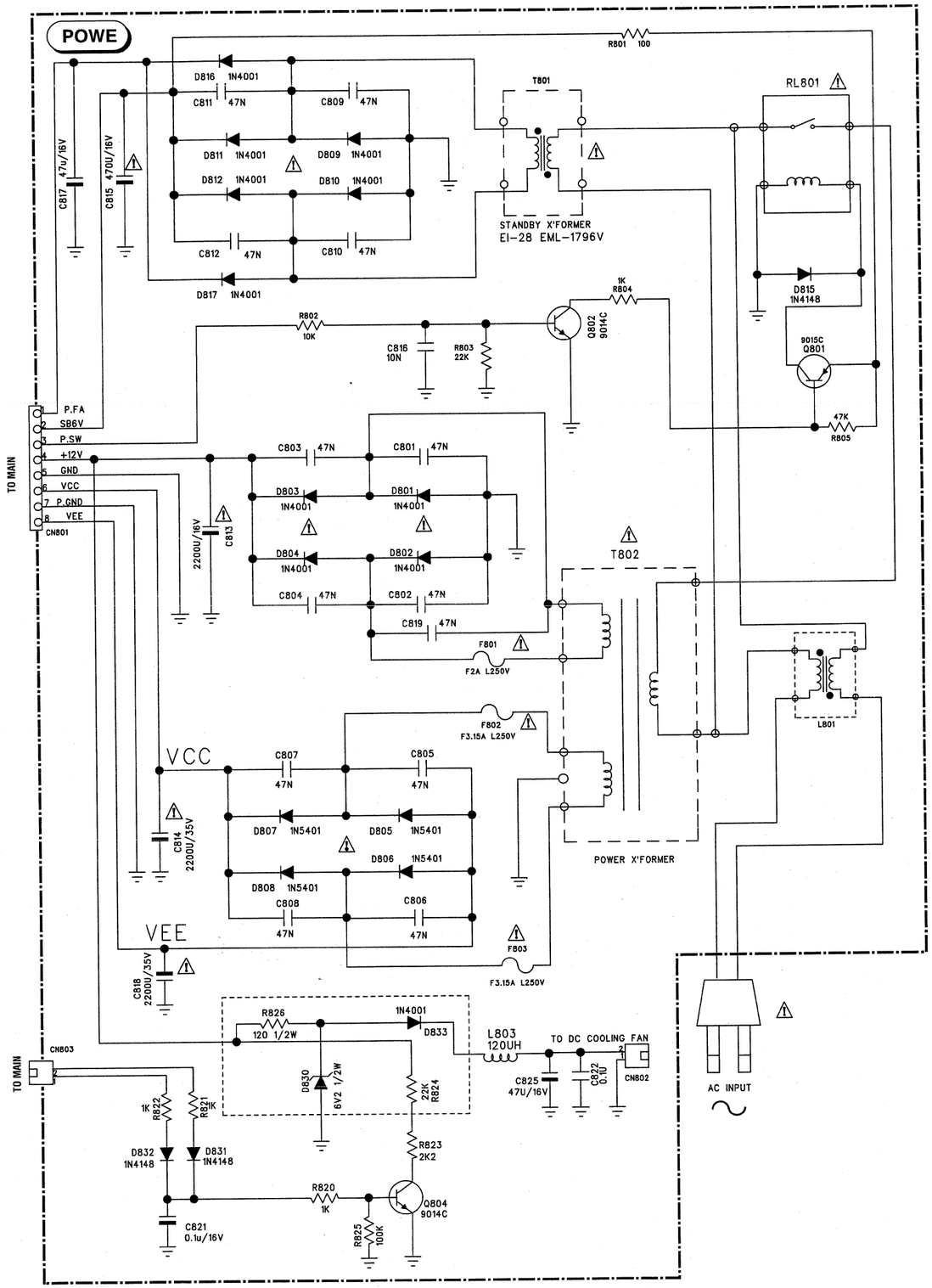
WIRING DIAGRAM - SCHEMA D'INTERCONNEXIONS - VERDRAHTUNGSPLAN - DIAGRAMMA DELLE INTERCONNESSIONI - ESQUEMA DE INTERCONEXIONES



CRKD2158
First issue 08/05

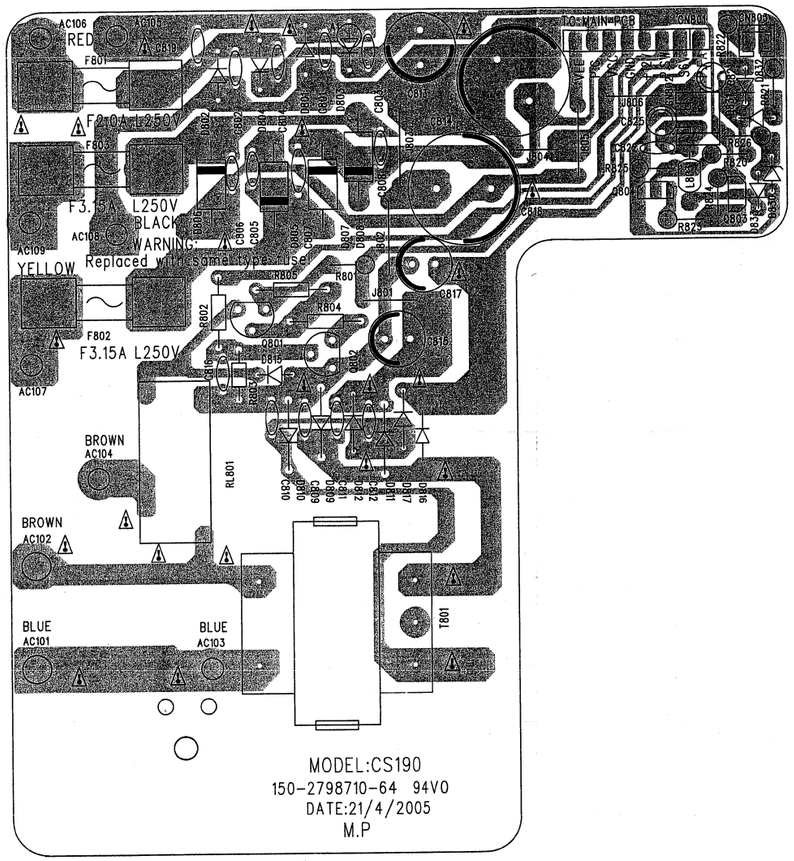
THOM-00105 / DRUCK:10

POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION - SCHALTBILD NETZTEIL
SCHEMA DELL'ALIMENTAZIONE - ESQUEMA DE LA ALIMENTACIÓN

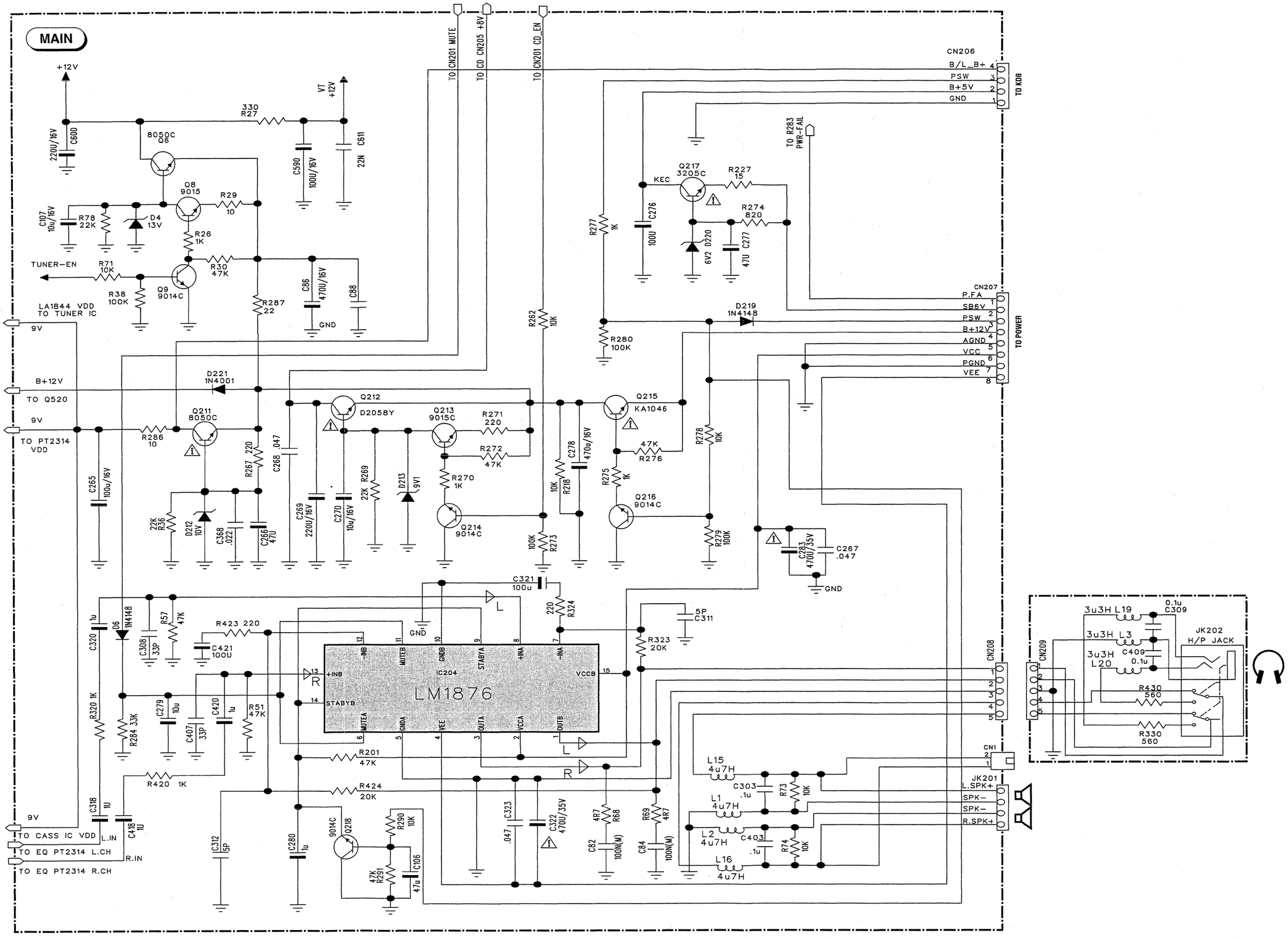


CRKD2158
First issue 08/05

Power unit P.C.B.
Platine secteur
Ltpl. Netzanschluss
Piastra di rete
Platina de red

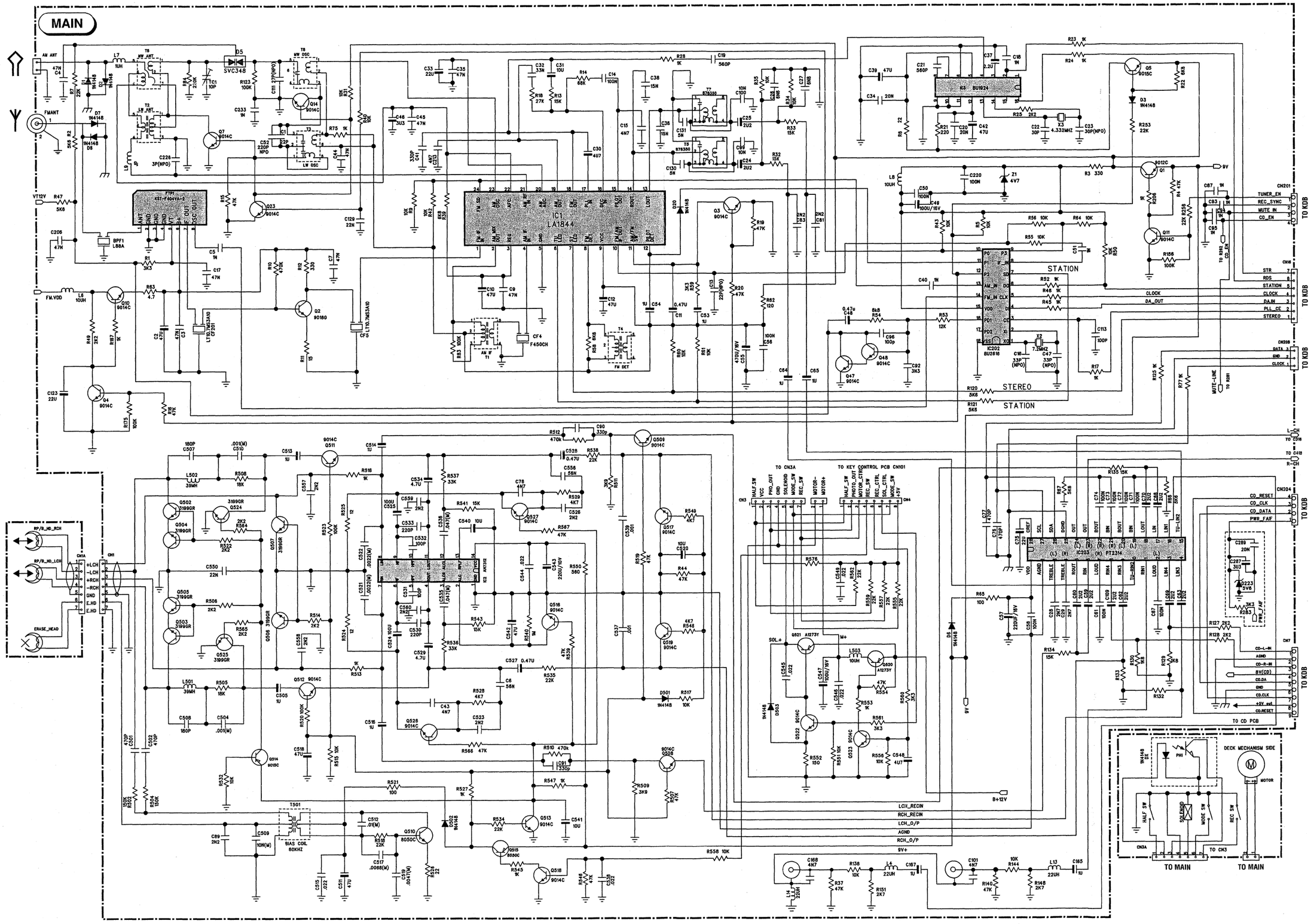


MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (1/2)



CRKD2158
First issue 08/05

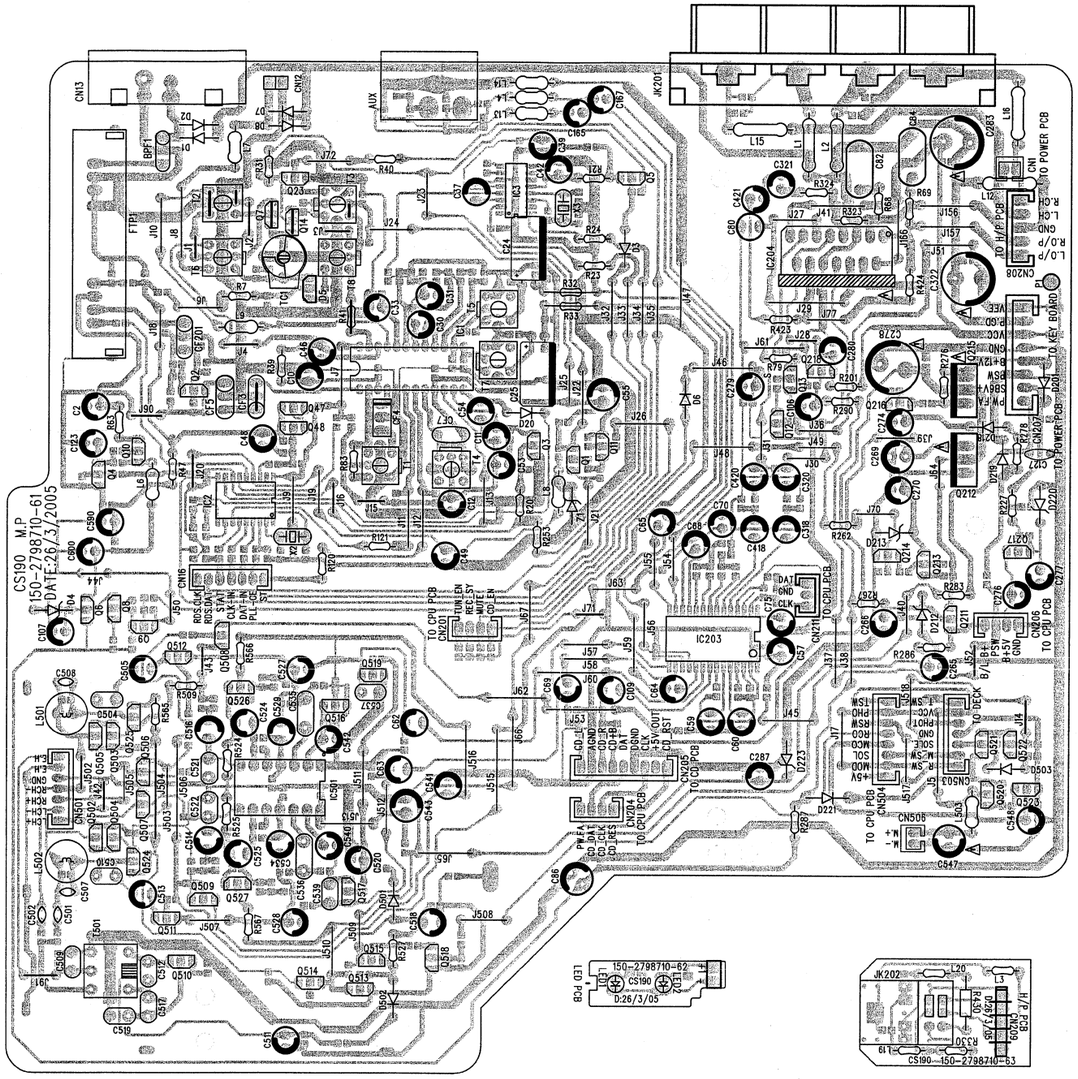
MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (2/2)

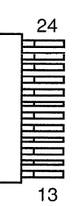


Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

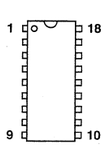
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre

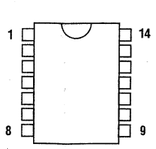




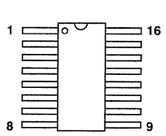
LA1844



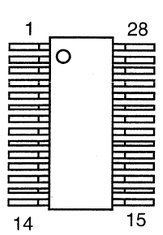
BU2616



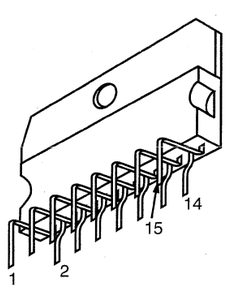
AN7312



BU1924



PT2314

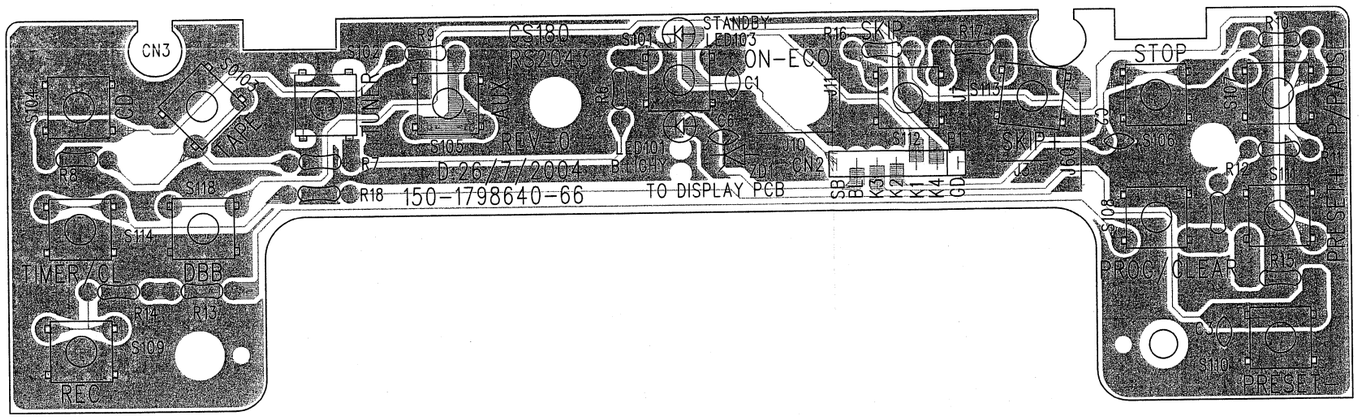


LM1876

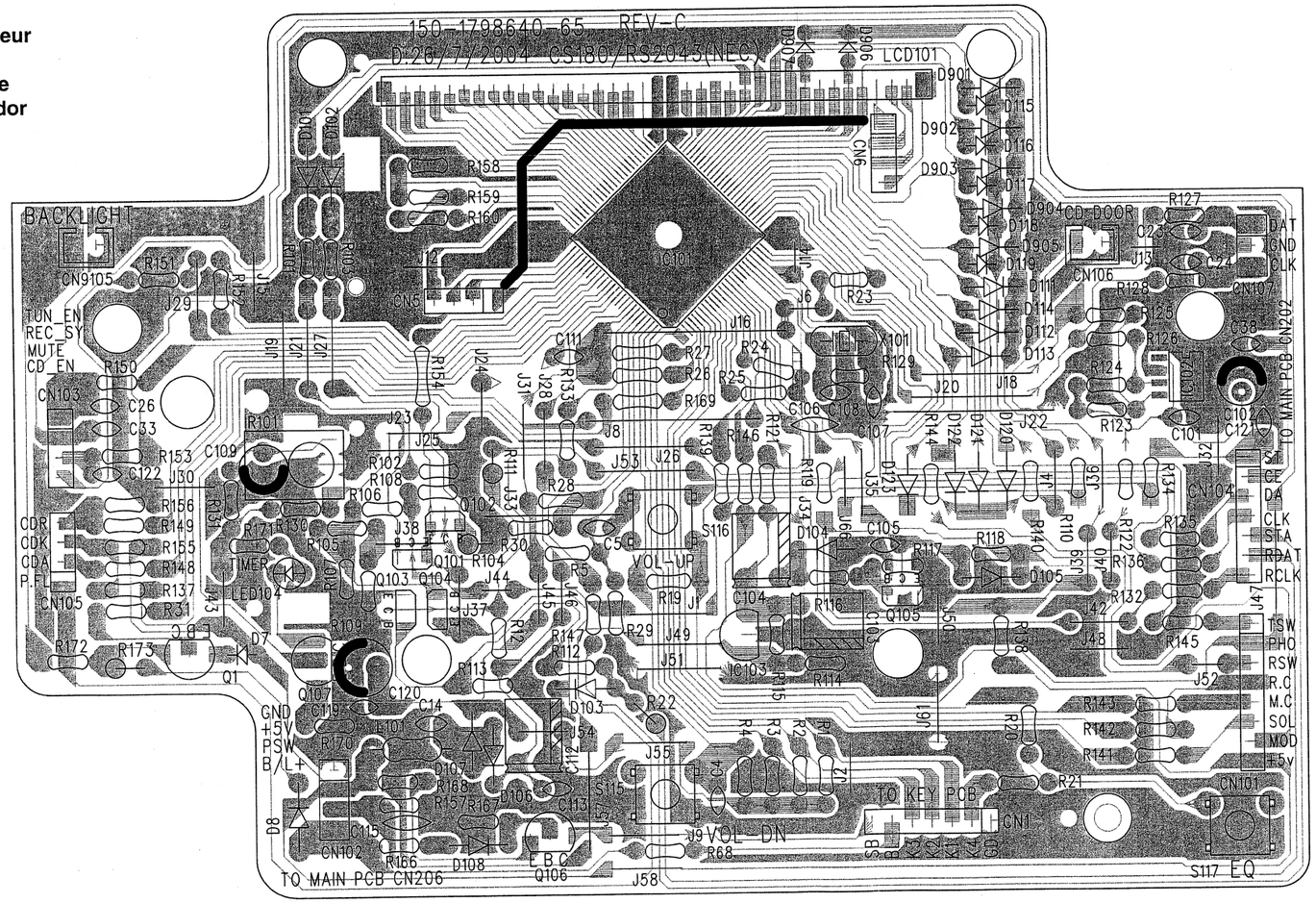
CRKD2158
First issue 08/05

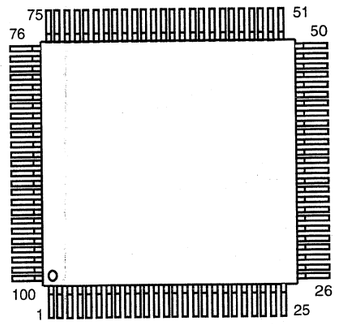
THOM-00105 / DRUCK:14

Key P.C.B.
Platine touches
Ltpl. Tasten
Piastra tastiera
Platina teclas



Control / display P.C.B.
Platine commandes / afficheur
Ltpl. Bedienteil / Anzeige
Piastra comandi / indicatore
Platina de mandos / indicador





UPD78P0308

CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR - SCHALTBILD BEDIENTEIL / ANZEIGE - SCHEMA COMANDI / INDICATORE ESQUEMA MANDOS / INDICADOR

KDB

TUNER BAND

	R5	R29	
EU1	OPEN	SHORT	FM: 87.5–108MHz 50KHz AM: 522–1611KHz 9KHz LW: 150–283KHz 1KHz
EU2	100K	10K	FM: 87.5–108MHz 50KHz AM: 522–1611KHz 9KHz
USA	82K	43K	FM: 87.5–108.1MHz 200KHz AM: 530–1710KHz 10KHz

FUNCTION SELECTED

R28	R30	
OPEN	SHORT	NO ECO/ NO RDS NO COLON DISPLAY NO TAPE AMS
100K	10K	ECO ONLY
160K	180K	RDS ONLY
68K	100K	ECO/RDS FUNCTION

DIODE SETTING TABLE

D117	0	DEFAULT BU2616F
	1	OTHER PLL IC
D907	0	CLOCK 24 HOUR
	1	CLOCK 12 HOUR
D906	0	NEED SOUND IC
	1	NOT SOUND IC
D908	0	set use NEC remote system
	1	set use SAA remote system

DIODE SETTING TABLE

D121	D122	D123	DECK SELECTION
0	1	0	LOG. DECK (NOT REV.)
0	1	1	LOG. DECK (AUTO REV.)

DIODE SETTING TABLE

D118	D119	D120	
0	0	0	one disc flap version
0	0	1	one disc drawer version

CRKD2158
First issue 08/05

THOMSON

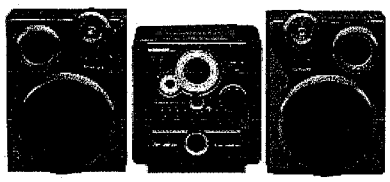
AUDIO

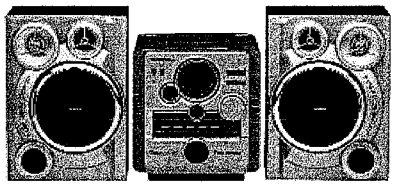
SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

CS520B / CS520M
MS3300 / MS3300B
MS4300 / MS4300B / MS4300U

Version (PC*): A / B

*PC: The version code is indicated either in the battery compartment or on the back of the unit - ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC: Version des Geräts wird im Batteriefach oder auf de Rückseite angegeben - il codice della versione è indicado nello scompartimento delle batterie o sul retro dell'apparecchio - el código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.





Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Caracteristicas del aparato

Type of set: **Type d'appareil:** **Geräteart:** **Tipo d'apparecchio:** **Tipo de aparato:**	Two-in-one horizontale combination/DAD Ensemble compact stéréophonique DAD-2er Horizontal Kompaktanlage Compatto Hifi/CD Equipo compacto estereofónico/DAD	↔ 250mm ↕ 280 mm ↗ 310 mm 8kg
Power supply: **Alimentation:** **Stromversorgung:** **Alimentazione:** **Alimentación:**	230 V ~ 50Hz	**Nominal output power:** **Puissance nominale de sortie:** **MS3300** 2 x 40W (rms) **Nennausgangsleistung:** 2 x 80W (music) **Potenza nominale di uscita:** **MS4300** 2 x 80W (rms) **Potencia nominal de salida:** 2 x 160W (music)
FM - MF: **MW - PO:** **LW - GO:**	87.5 - 108 MHz 522 - 1611 kHz 150 - 283 kHz	**Sensitivity:** **Sensibilité:** **FM - MF:** 48µV (S/N = 50 dB) **Empfindlichkeit:** **MW - PO:** 1000µV/m (S/N = 20 dB) **Sensibilità:** **LW - GO:** 2500µV/m (S/N = 20 dB) **Sensibilidad:**
Frequency response: **Courbe de réponse:** **Frequenzgang:** **Curva di risposta:** **Curva de respuesta:**	125 Hz - 6.3 kHz (5 dB)	**Signal to noise ratio:** **Rapport signal / bruit:** **Geräuschspannungabstand:** 38 dB **Rapporto segnale / disturbo:** **Relación señal / ruido:**
Wow and flutter: **Fluctuations:** **Gleichlauf:** **Fluttuazioni:** **Fluctuaciones:**	0,3%	→ 4,75 cm/s << ◀◀ >> << ▶▶ >> C60: 170s
Disc rotation speed: **Vitesse de rotation du disque:** **CD-Drehgeschwindigkeit:** **Velocità di rotazione del disco:** **Velocidad de rotación del disco:**	200 ➡ 500 tr/mn	**Frequency response:** **Courbe de réponse:** **Frequenzgang:** 60 Hz - 16 kHz **Curva di risposta:** (-3 dB) **Curva de respuesta:**
Stereo separation : **Diaphonie :** **Übersprechdämpfung :** **Diafonia :** **Diafonía :**	40 dB	**Signal to noise ratio:** **Rapport signal / bruit:** **Geräuschspannungabstand:** 60 dB **Rapporto segnale / disturbo:** **Relación señal / ruido:**

DAD

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ACHTUNG : ***Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.***
ATTENZIONE : ***Prima di intervenire sullo chassis, leggere le norme di sicurezza.***
IMPORTANTE : ***Antes de cualquier intervención, leer las recomendaciones de seguridad.***

0805 - CRKD2143 - CRKD2143M - CRKD2577 - CRKD2577C

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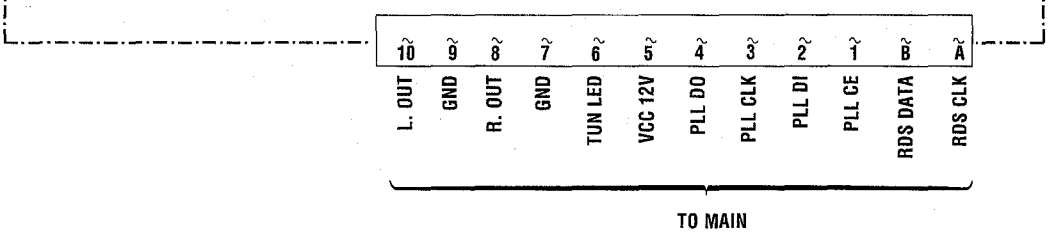
RF / IF SCHEMATIC DIAGRAM - SCHEMA HF / FI - SCHALTBILD HF / ZF
SCHEMA HF / FI - ESQUEMA RF / FI

The complete RF / IF Module is available from A.S.S. under Part Number :
En SAV, l'ensemble du module HF / FI est géré sous le code :
Die Sevice Bestell-Nr. für das Modul "HF / ZF" ist :
Il codice del modulo completo di HF / FI è :
En postventa, el modulo completo RF / FI lleva el código :

552 749 40



DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE ESQUEMA DEL TRATAMIENTO DIGITAL

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Die Sevice Bestell-Nr. für das Modul "Digital Processing kompl." ist :
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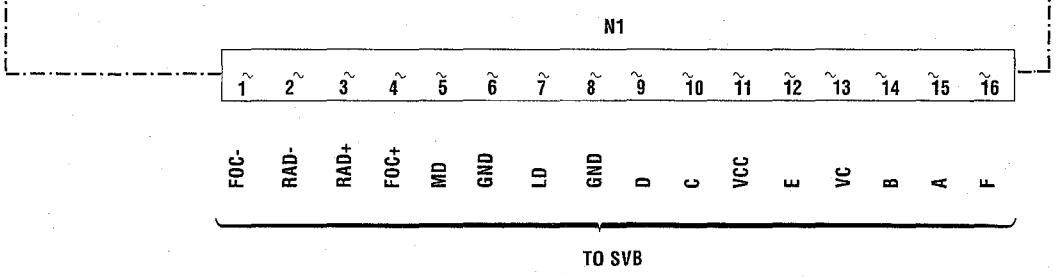
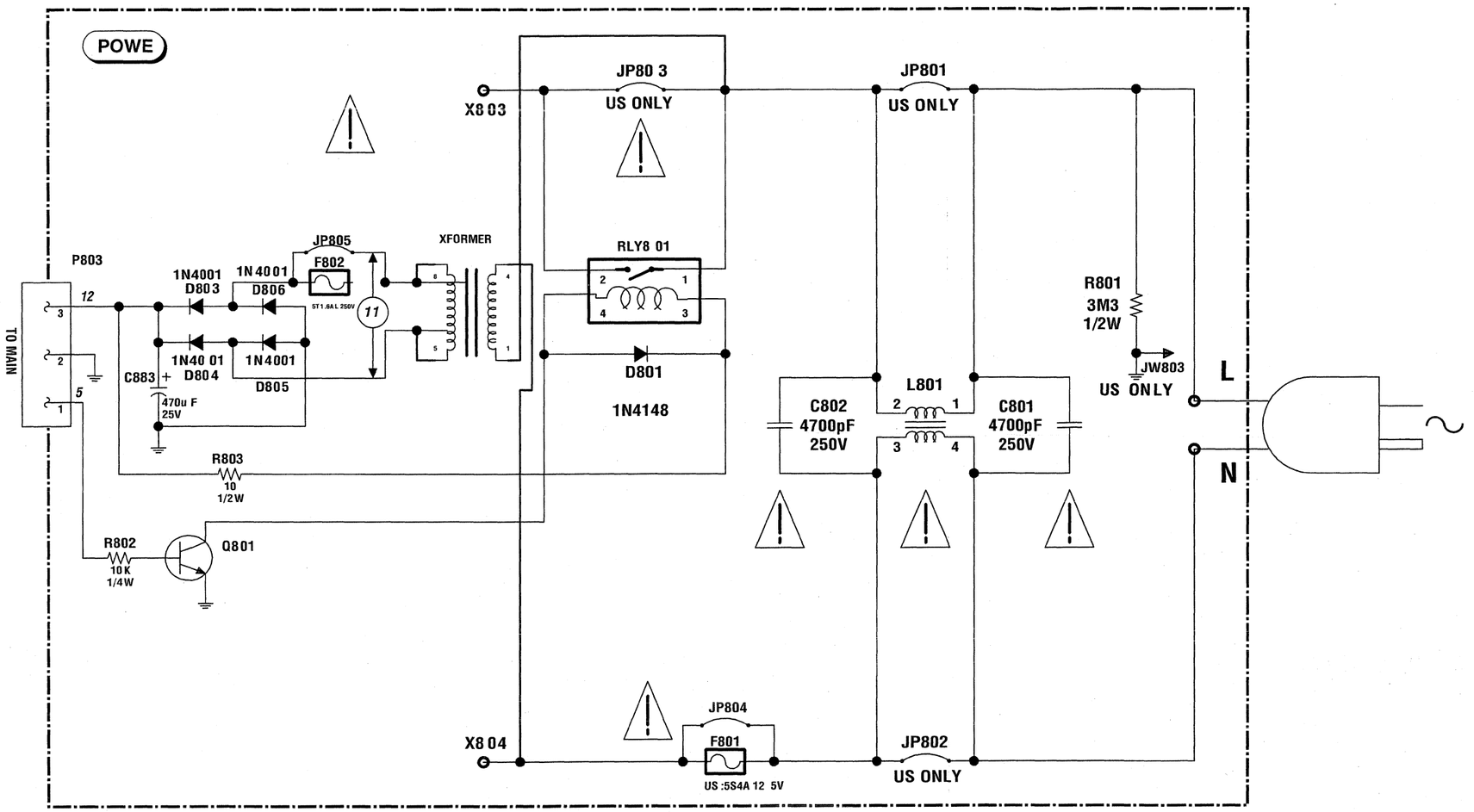
En postventa, el modulo completo tratamiento digital lleva el código :

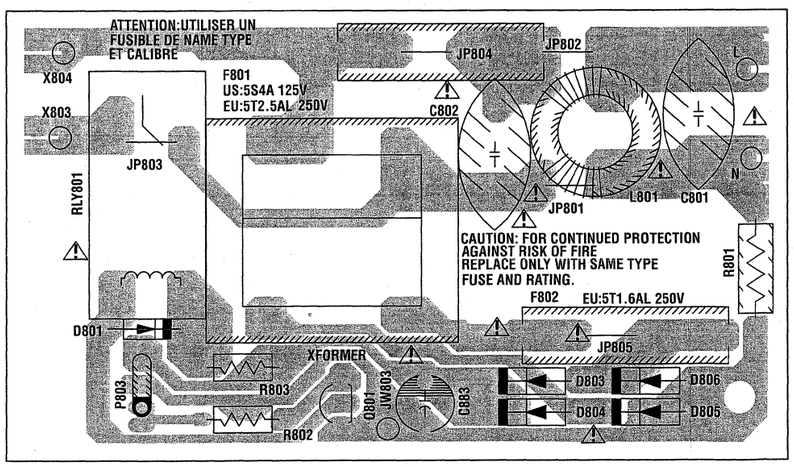
108 621 80



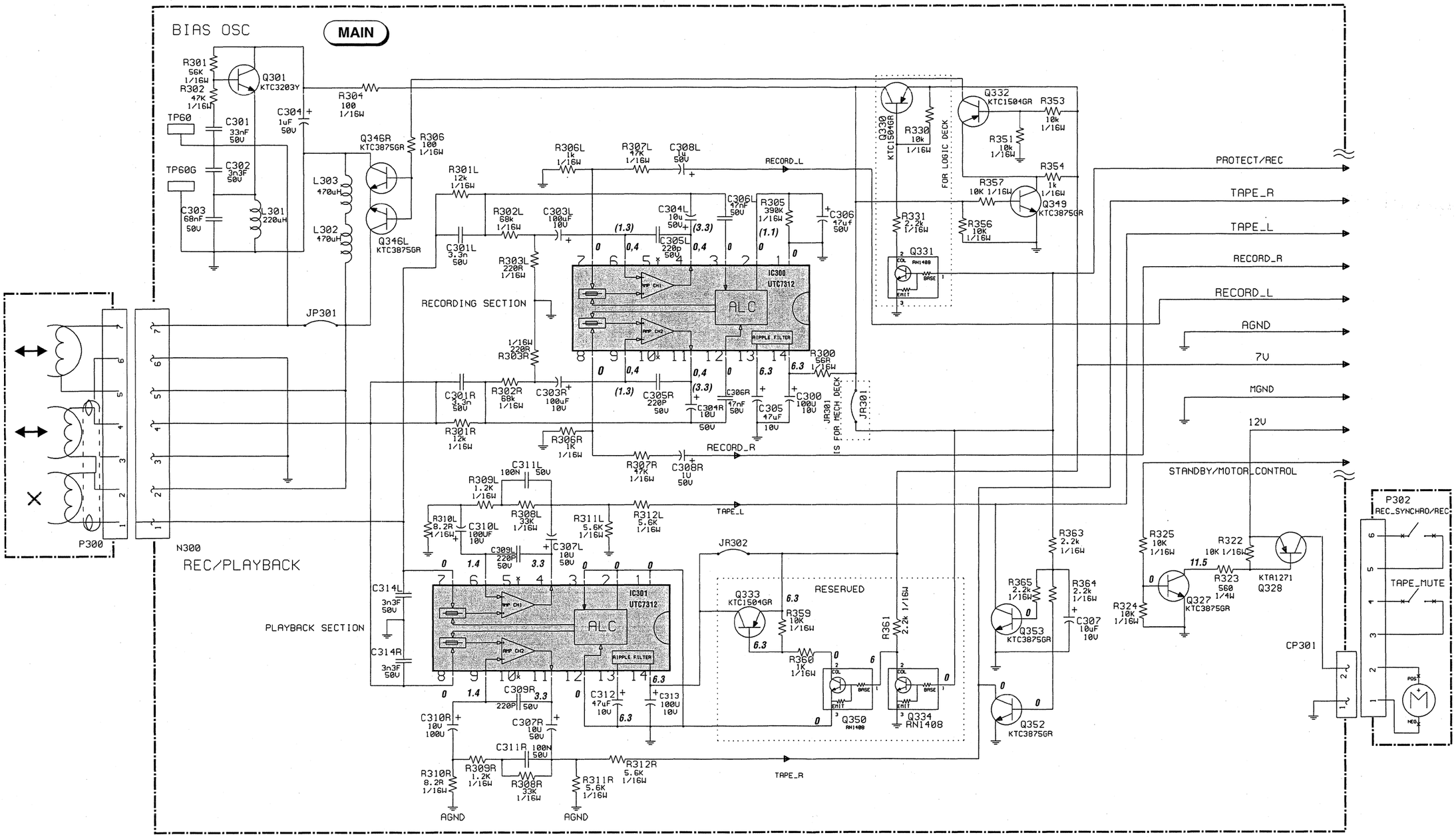
POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION - SCHALTBILD NETZTEIL - SCHEMA DELL'ALIMENTAZIONE - ESQUEMA DE LA ALIMENTACION



Power unit P.C.B.
Platine secteur
Ltpl. Netzanschluss
Piastra di rete
Platina de red



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (1/3)



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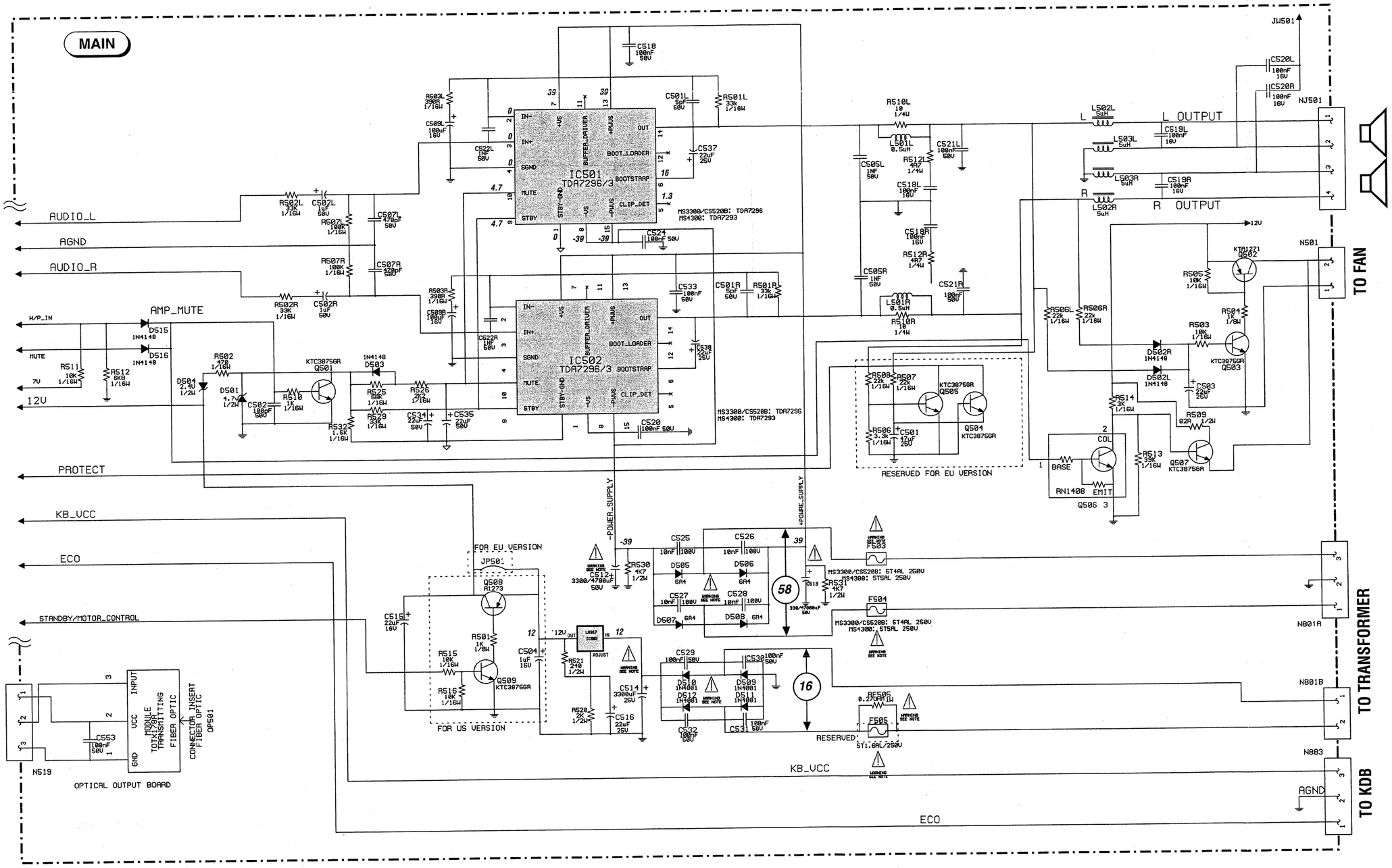
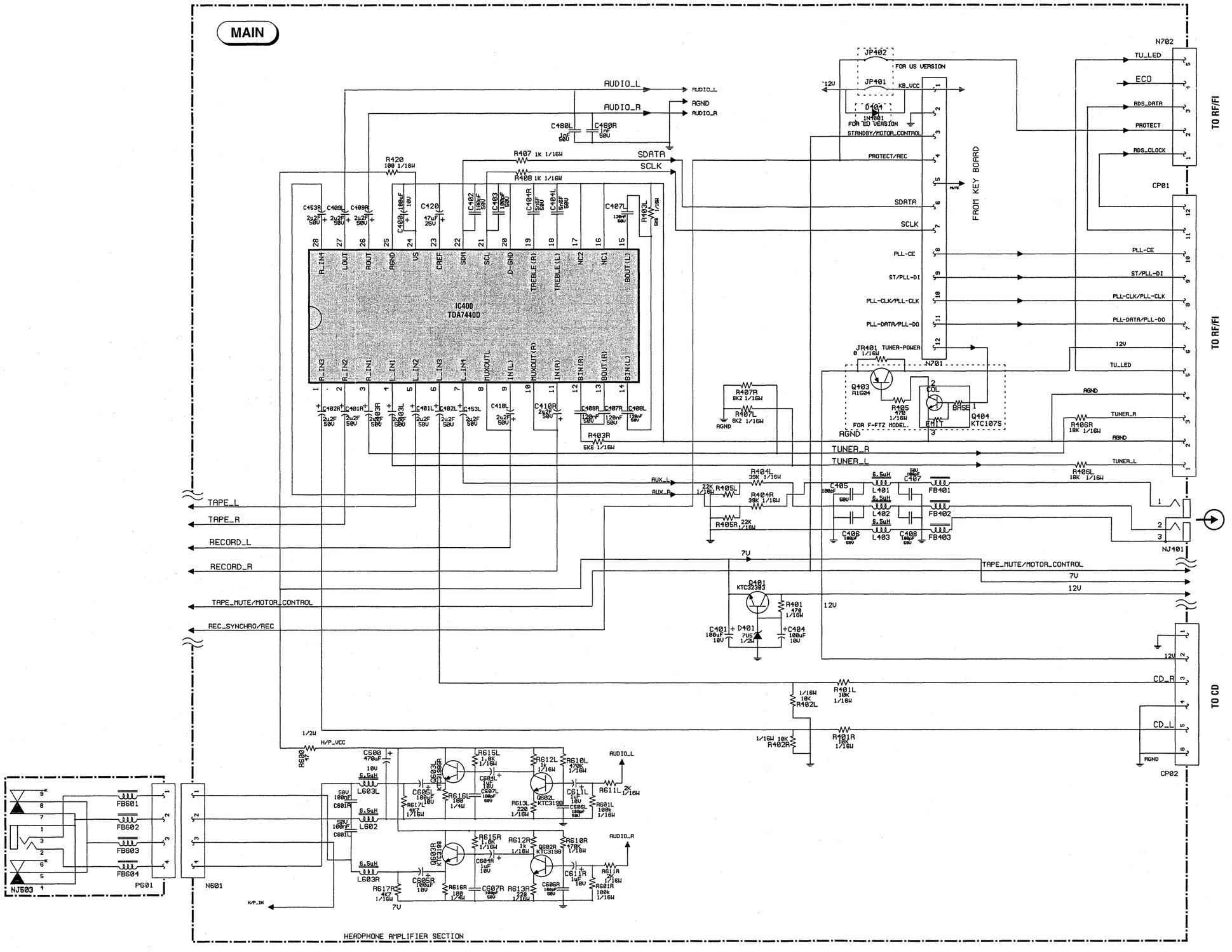
MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (2/3)



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (3/3)



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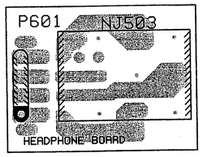
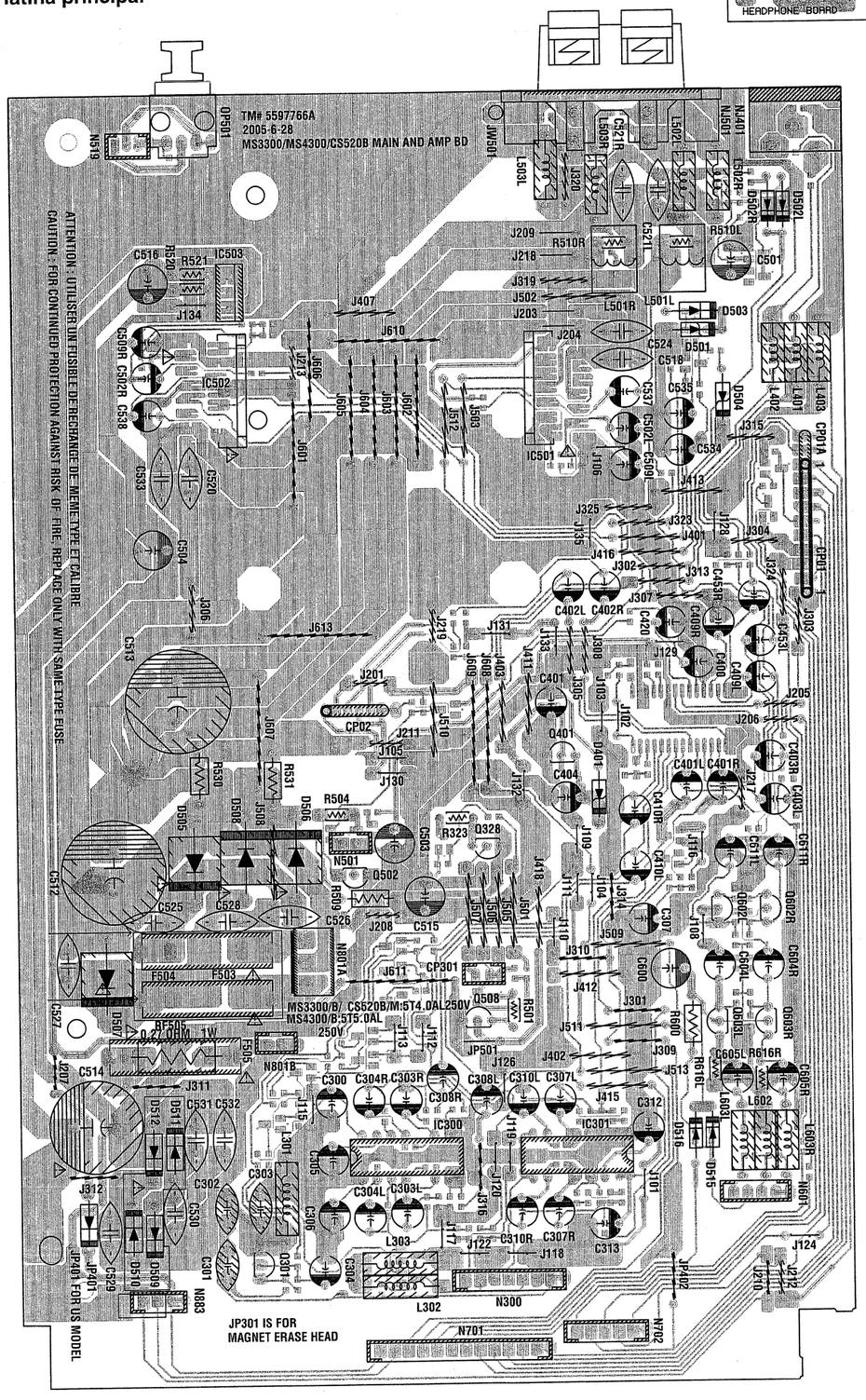
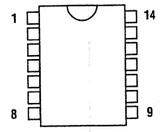
Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

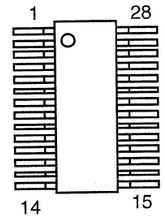
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



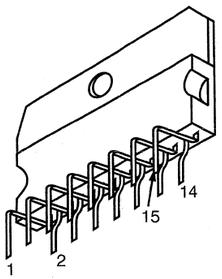




UTC7312

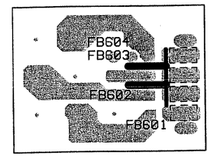


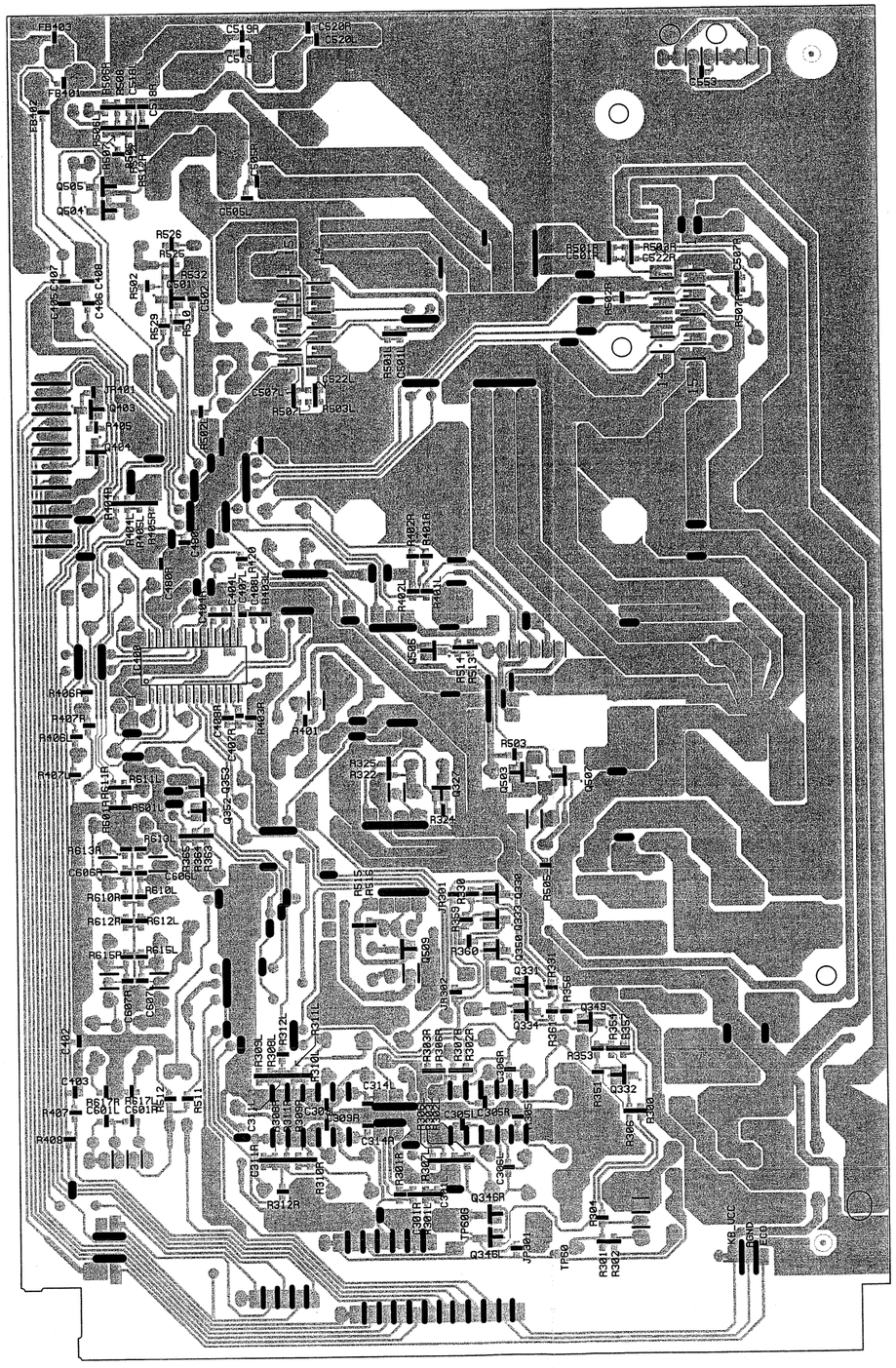
TDA7440



TDA7293
TDA7294
TDA7296

Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre





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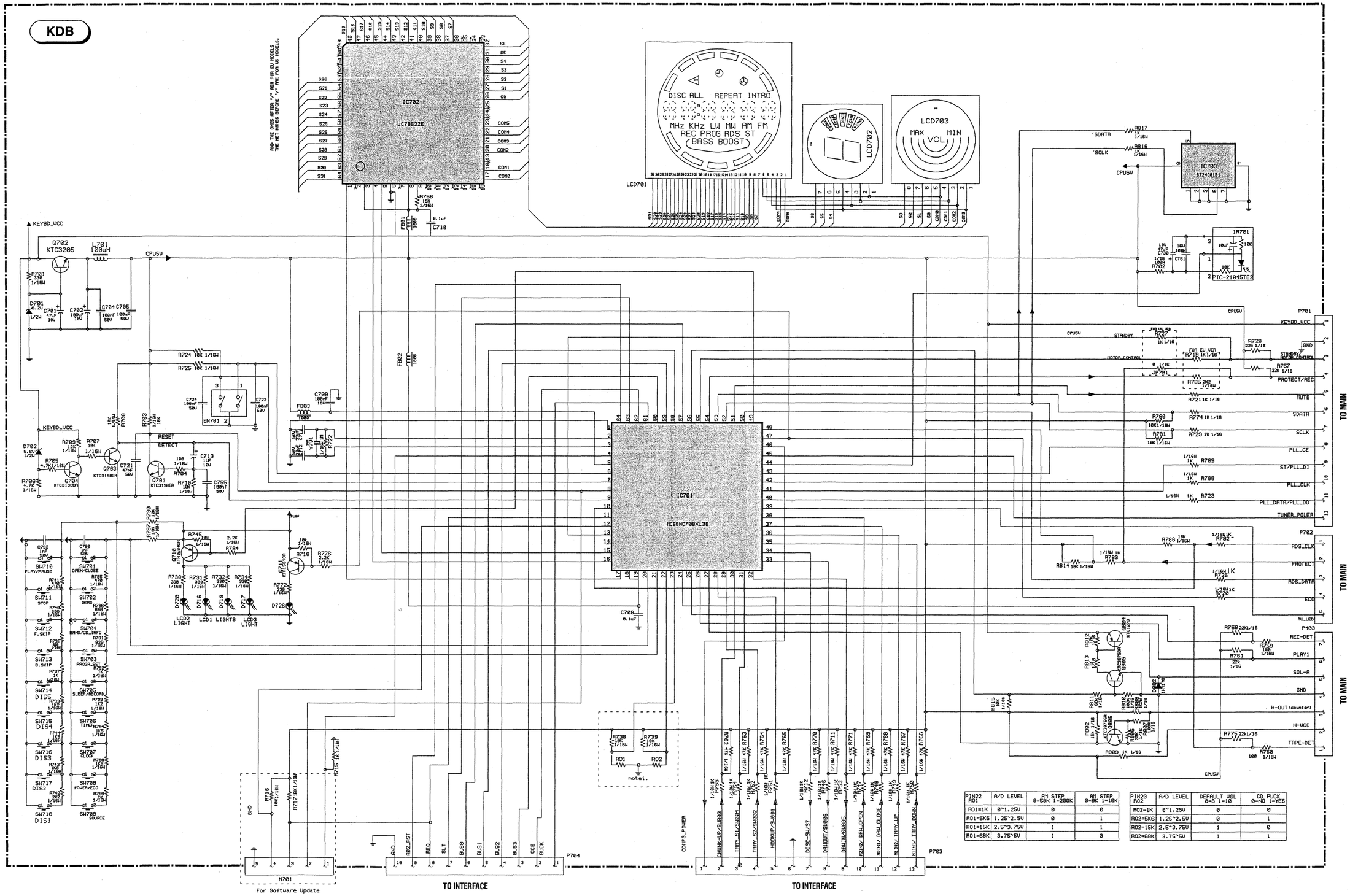
CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR - SCHALTBILD BEDIENTEIL / ANZEIGE - SCHEMA COMANDI / INDICATORE ESQUEMA MANDOS / INDICADOR



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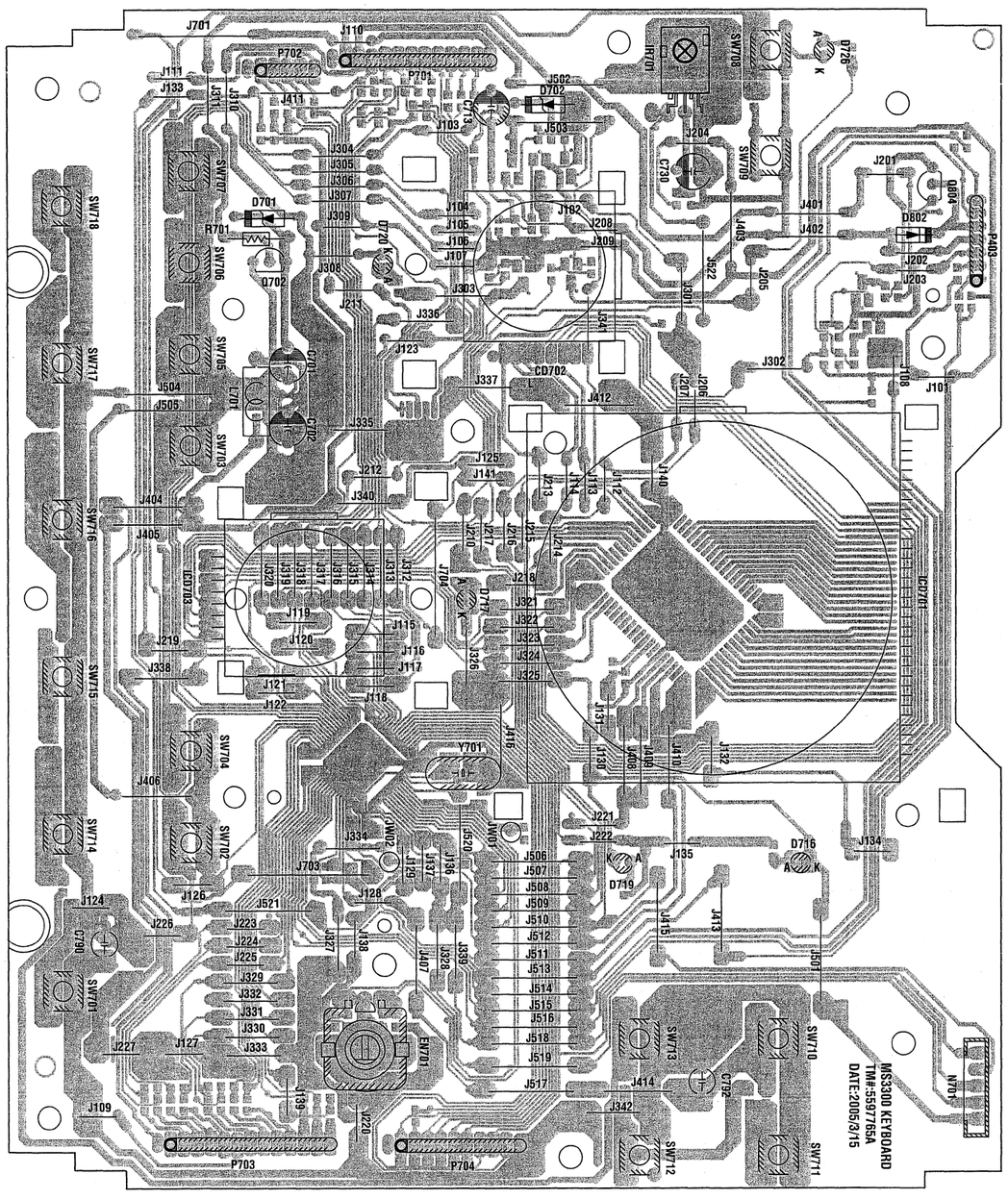
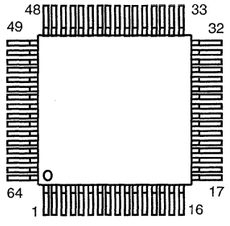
Control / display P.C.B.
Platine commandes / afficheur
Ltpl. Bedienteil / Anzeige
Piastra comandi / indicatore
Platina de mandos / indicador

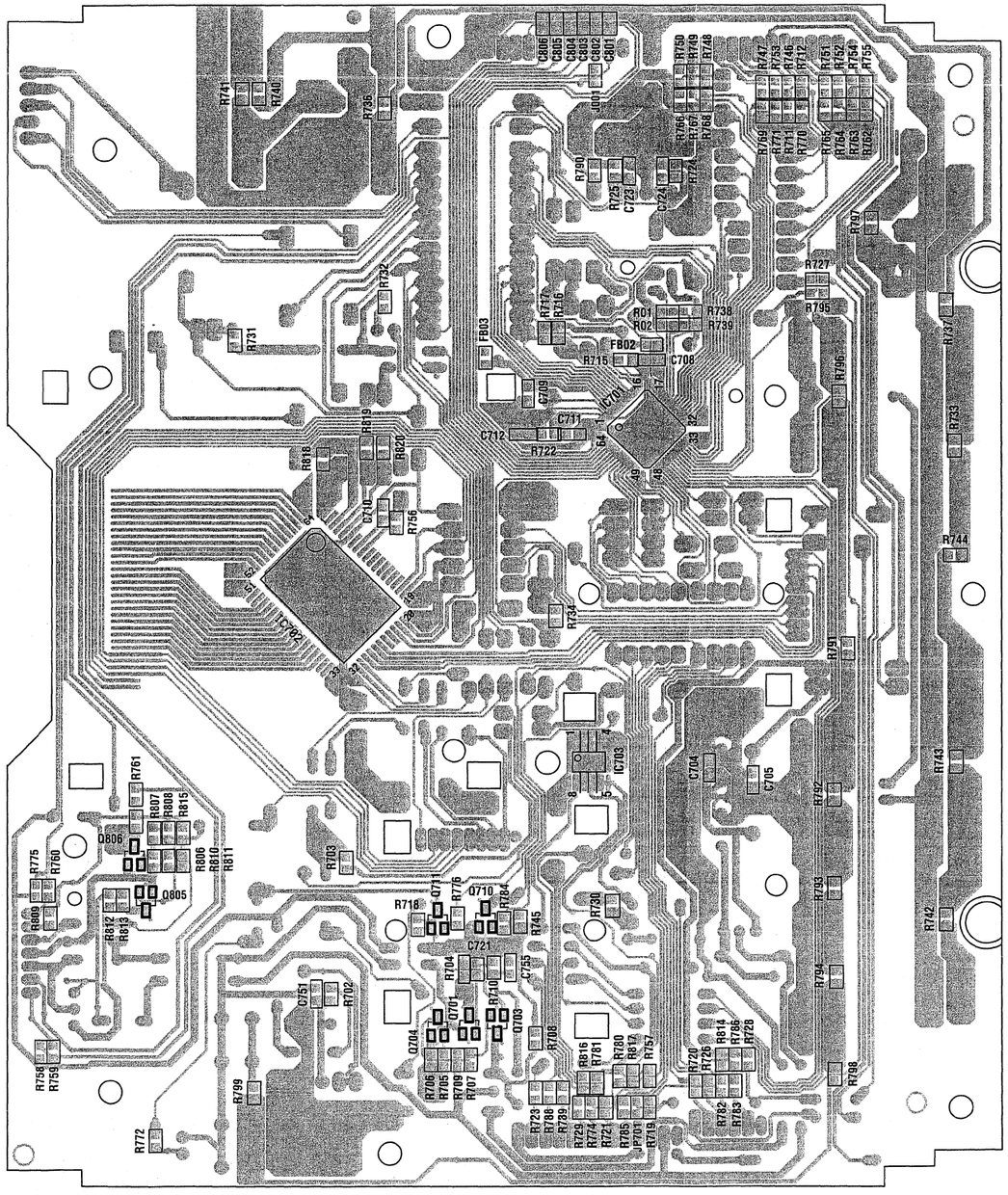
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

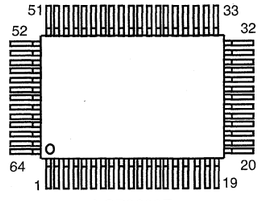




MC68HC708XL36

Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre





LC78622E

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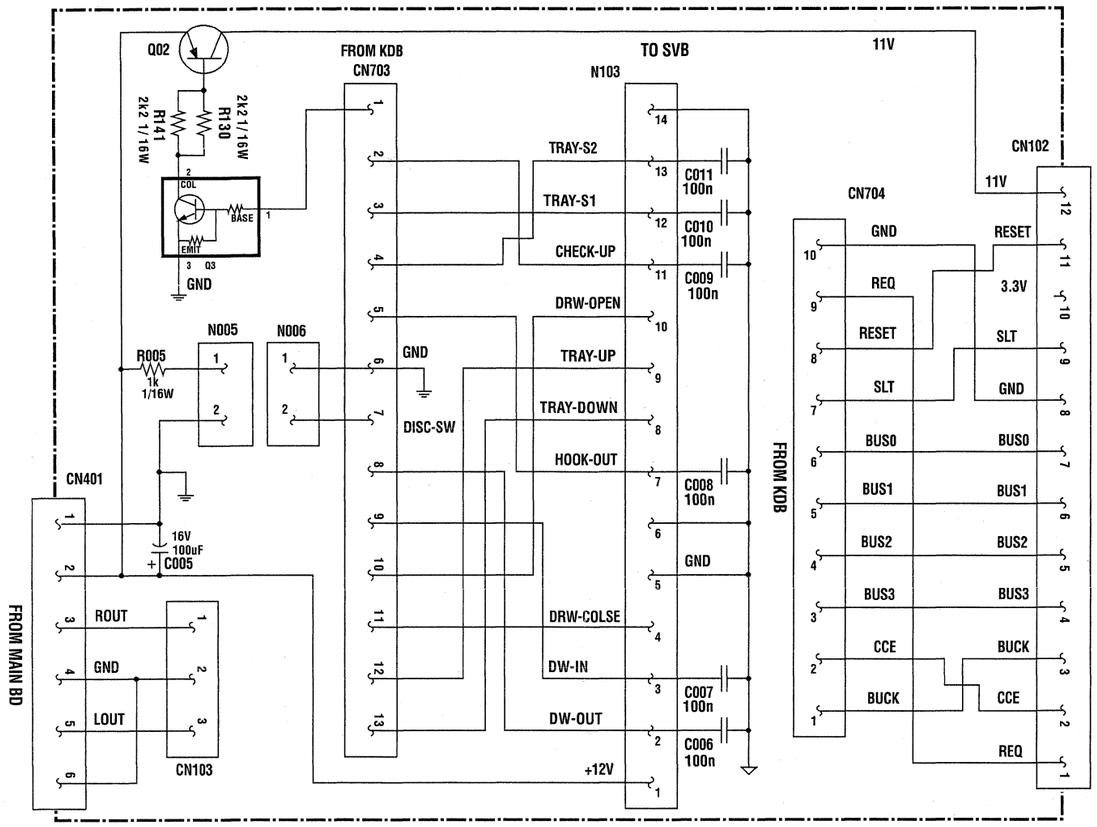
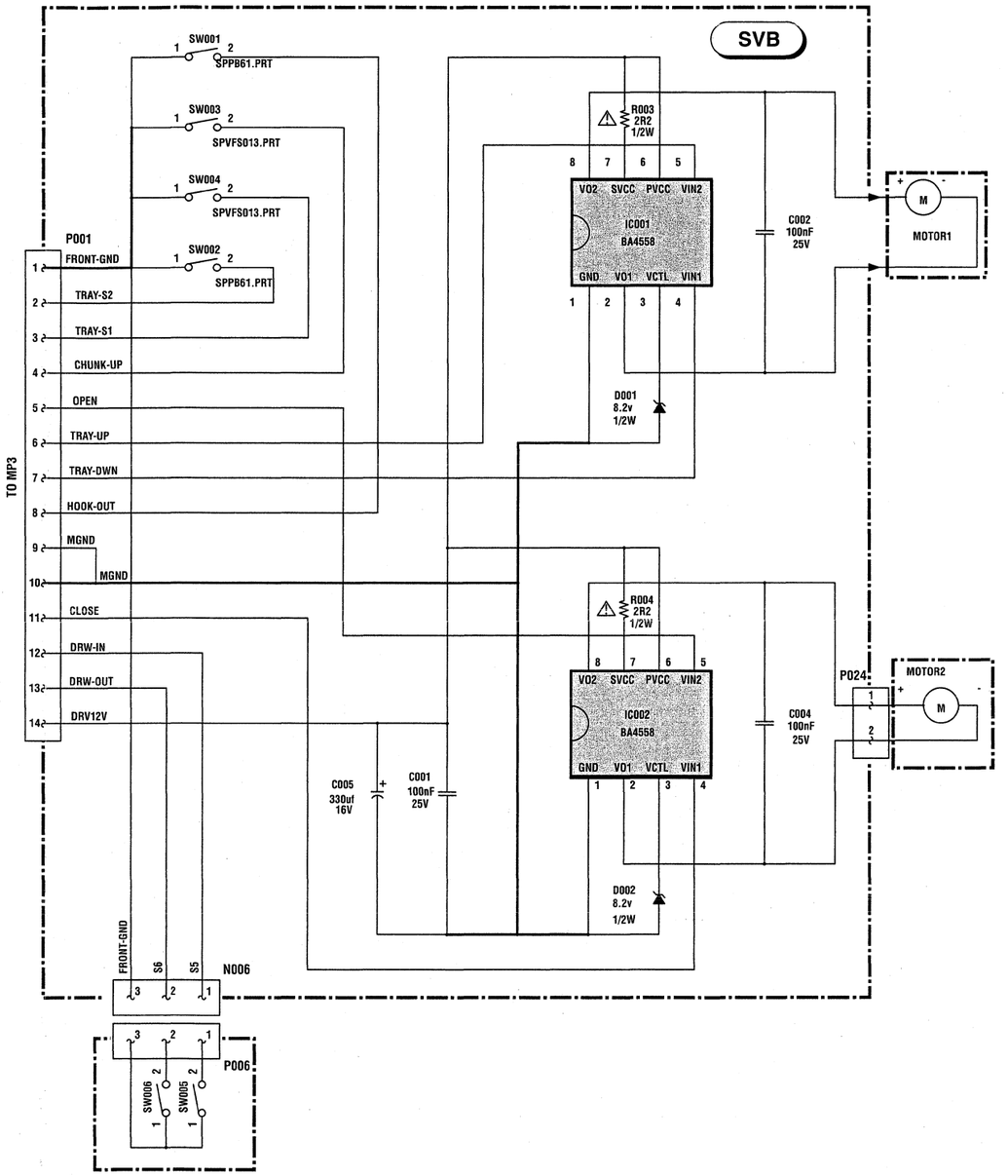
INTERFACE SCHEMATIC DIAGRAM - SCHEMA D'INTERFACE - SCHALTBILD INTERFACE SCHEMA DEI INTERFACCIA - ESQUEMA DEL INTERFACE



CD MOTOR CONTROL SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE COMMANDES MOTEURS CD - CD WECHSLER-MOTOR SCHALTBILD - SCHEMA DELLA PIASTRA COMANDI MOTORI CD ESQUEMA DE LA PLATINA MANDOS MOTORES CD



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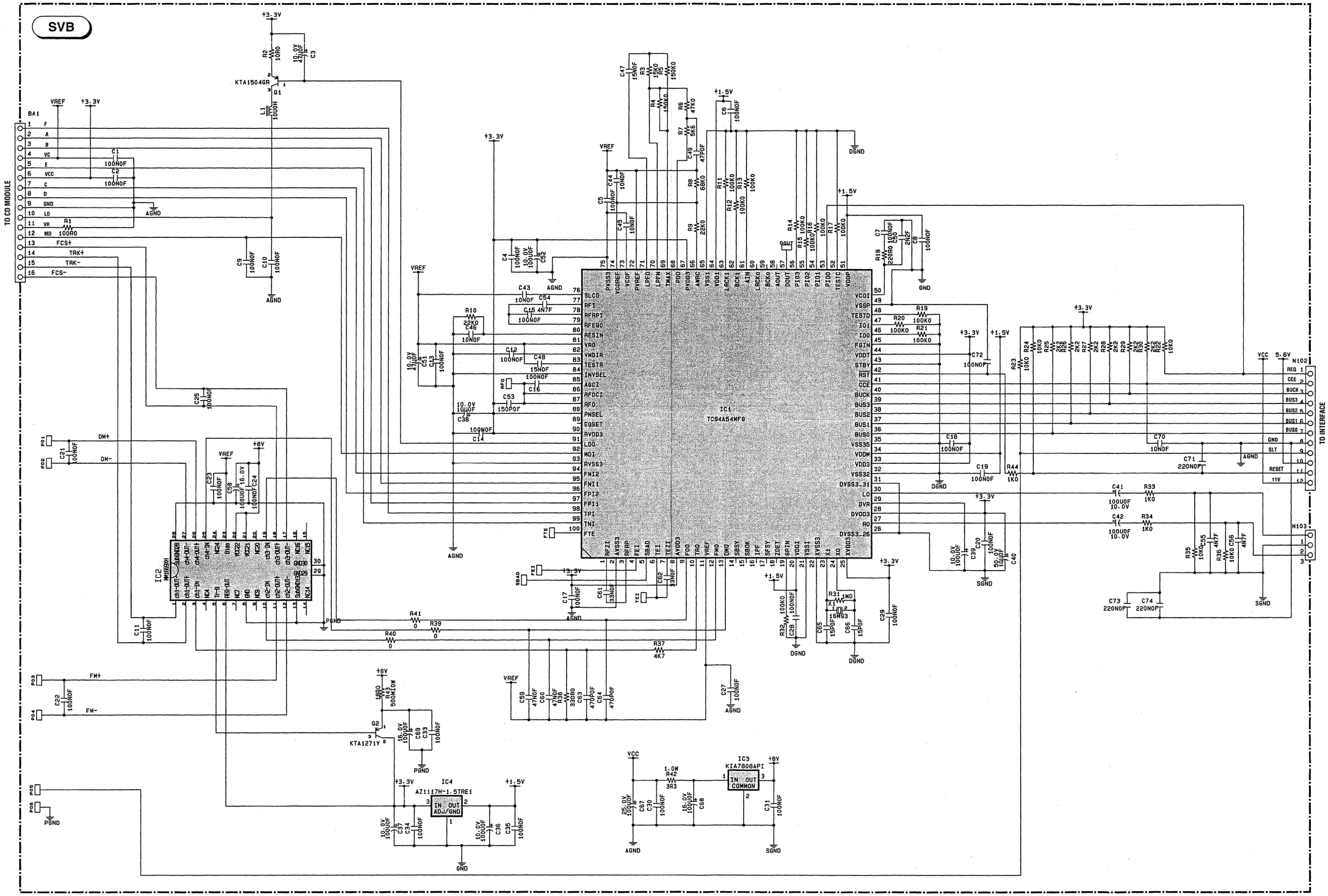
DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE ESQUEMA DEL TRATAMIENTO DIGITAL



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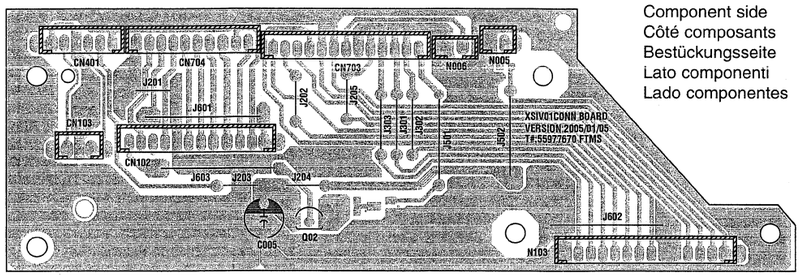
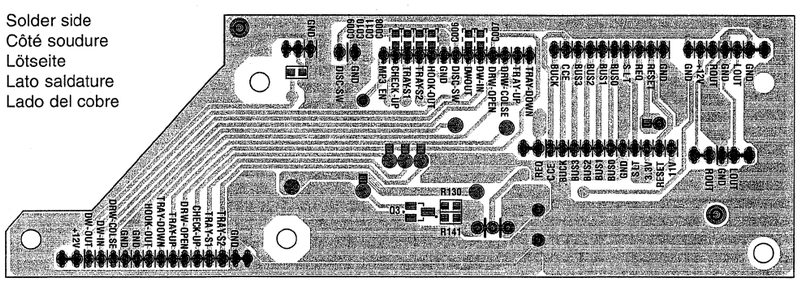
Interface P.C.B.
Platine d'interface
Lptl. Interface
Piastra dei interfaccia
Platina del interface

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

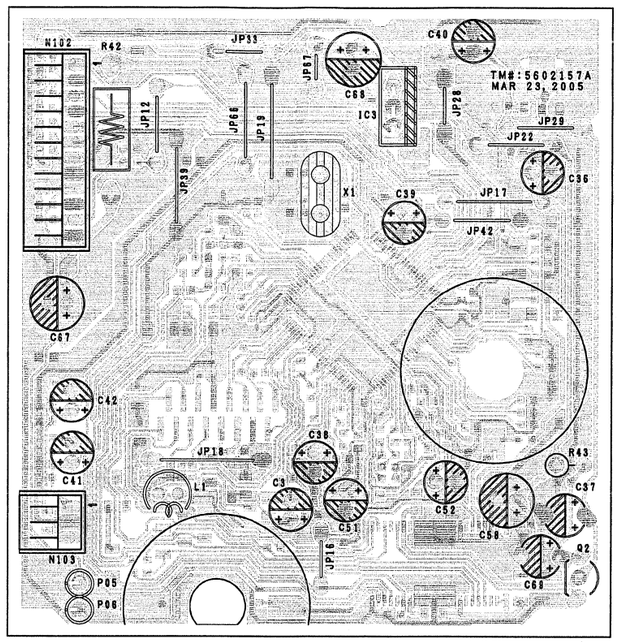


Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre

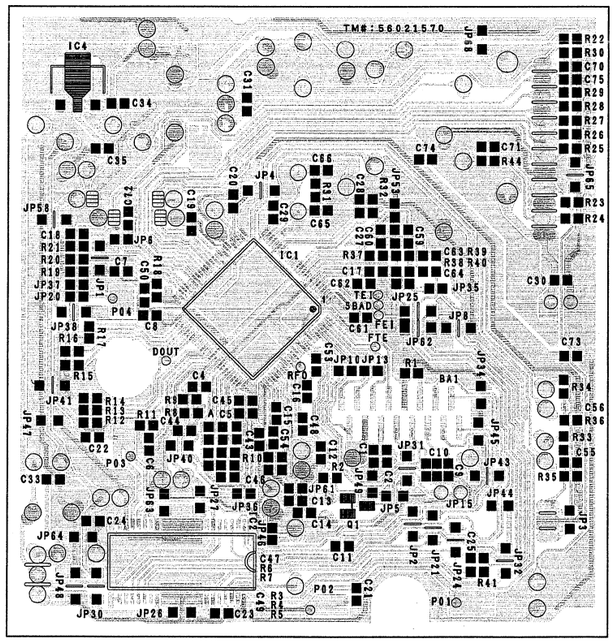


Digital processing P.C.B.
Platine traitement digital
Ltpl. Digitalverarbeitung
Piastra elaborazione digitale
Platina tratamiento digital

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

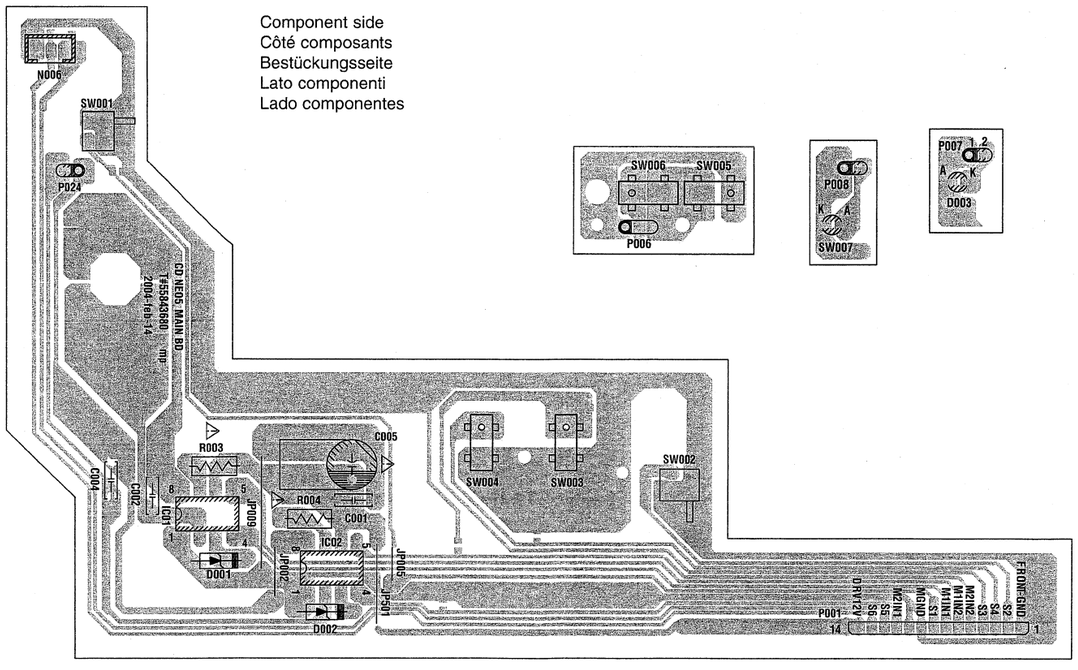


Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre

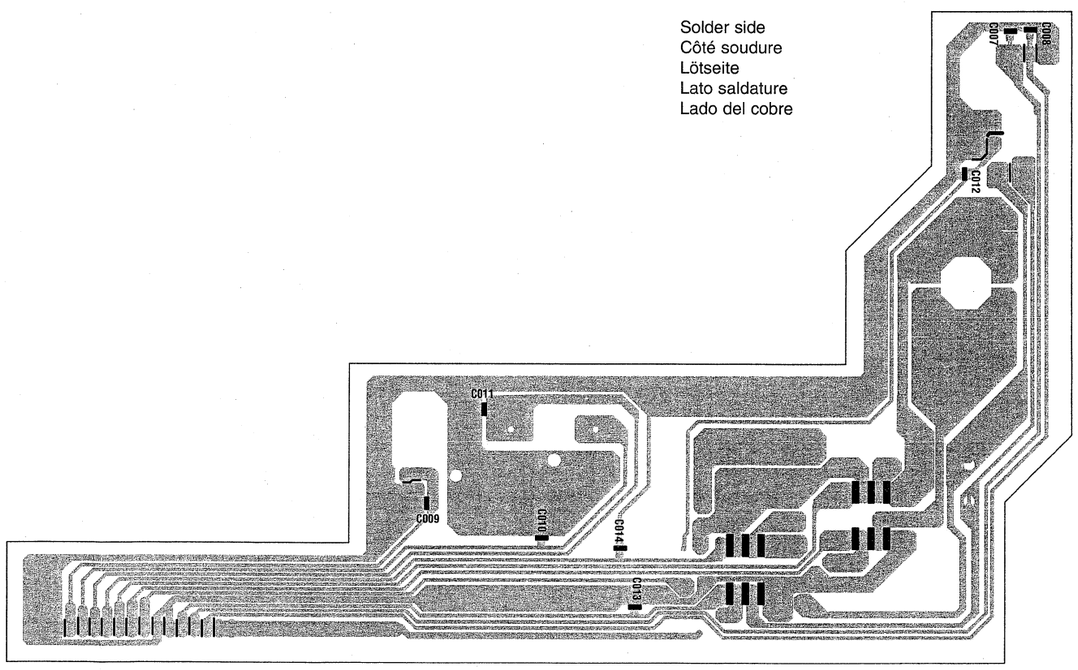


CD motor control P.C.B.
Platine commandes moteurs CD
Ltpl. CD wechsler-motor
Piastra comandi motori CD
Platina mandos motores CD

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre



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THOMSON

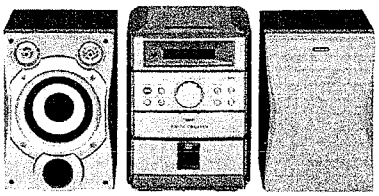
AUDIO

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

CS530

Version (PC*): A

*PC: The version code is indicated either in the battery compartment or on the back of the unit - ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC: Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - il codice della versione è indicado nello scompartimento delle batterie o sul retro dell'apparecchio - el código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Caracteristicas del aparato

Type of set: **Type d'appareil:** **Geräteart:** **Tipo d'apparecchio:** **Tipo de aparato:**	Two-in-one horizontale combination/DAD Ensemble compact stéréophonique DAD-2er Horizontal Kompaktanlage Compatto Hifi/CD Equipo compacto estereofónico/DAD		←→ 250mm ↕ 280 mm ↗ 310 mm 8kg
Power supply: **Alimentation:** **Stromversorgung:** **Alimentazione:** **Alimentación:**	230 V ~ 50Hz	**Nominal output power:** **Puissance nominale de sortie:** **Nennausgangsleistung:** **Potenza nominale di uscita:** **Potencia nominal de salida:**	2 x 45W (rms) 2 x 100W (music)
FM - MF: **MW - PO:** **LW - GO:**	87.5 - 108 MHz 522 - 1611 kHz 150 - 283 kHz	**Sensitivity:** **Sensibilité:** **FM - MF:** **Empfindlichkeit:** **MW - PO:** **Sensibilità:** **LW - GO:** **Sensibilidad:**	48µV (S/N = 50 dB) 1000µV/m (S/N = 20 dB) 2500µV/m (S/N = 20 dB)
Frequency response: **Courbe de réponse:** **Frequenzgang:** **Curva di risposta:** **Curva de respuesta:**	125 Hz - 6.3 kHz (5 dB)	**Signal to noise ratio:** **Rapport signal / bruit:** **Geräuschspannungabstand:** **Rapporto segnale / disturbo:** **Relación señal / ruido:**	38 dB
Wow and flutter: **Fluctuations:** **Gleichlauf:** **Fluttuazioni:** **Fluctuaciones:**	0,3%	→	4,75 cm/s
		<< ◀◀ >> << ▶▶ >>	C60: 170s
Disc rotation speed: **Vitesse de rotation du disque:** **CD-Drehgeschwindigkeit:** **Velocità di rotazione del disco:** **Velocidad de rotación del disco:**	200 ➡ 500 tr/mn	**Frequency response:** **Courbe de réponse:** **Frequenzgang:** **Curva di risposta:** **Curva de respuesta:**	60 Hz - 16 kHz (-3 dB)
Stereo separation : **Diaphonie :** **Übersprechdämpfung :** **Diafonia :** **Diafonía :**	40 dB	**Signal to noise ratio:** **Rapport signal / bruit:** **Geräuschspannungabstand:** **Rapporto segnale / disturbo:** **Relación señal / ruido:**	60 dB

DAD

WARNING : ***Before servicing this chassis read the safety recommendations.***
ATTENTION : ***Avant toute intervention sur ce châssis, lire les recommandations de sécurité.***
ACHTUNG : ***Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.***
ATTENZIONE : ***Prima di intervenire sullo chassis, leggere le norme di sicurezza.***
IMPORTANTE : ***Antes de cualquier intervención, leer las recomendaciones de seguridad.***

0805 - CRKD2152

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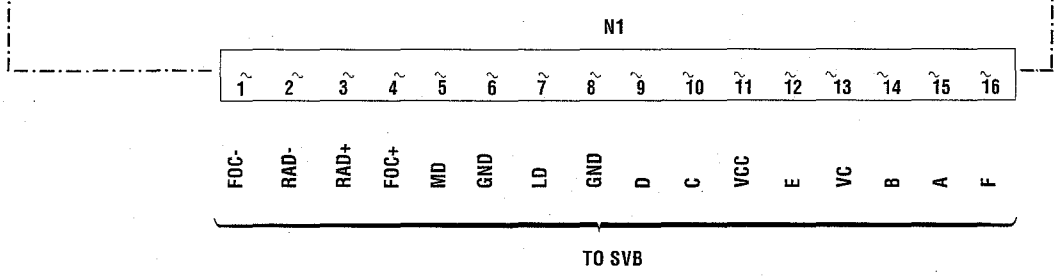
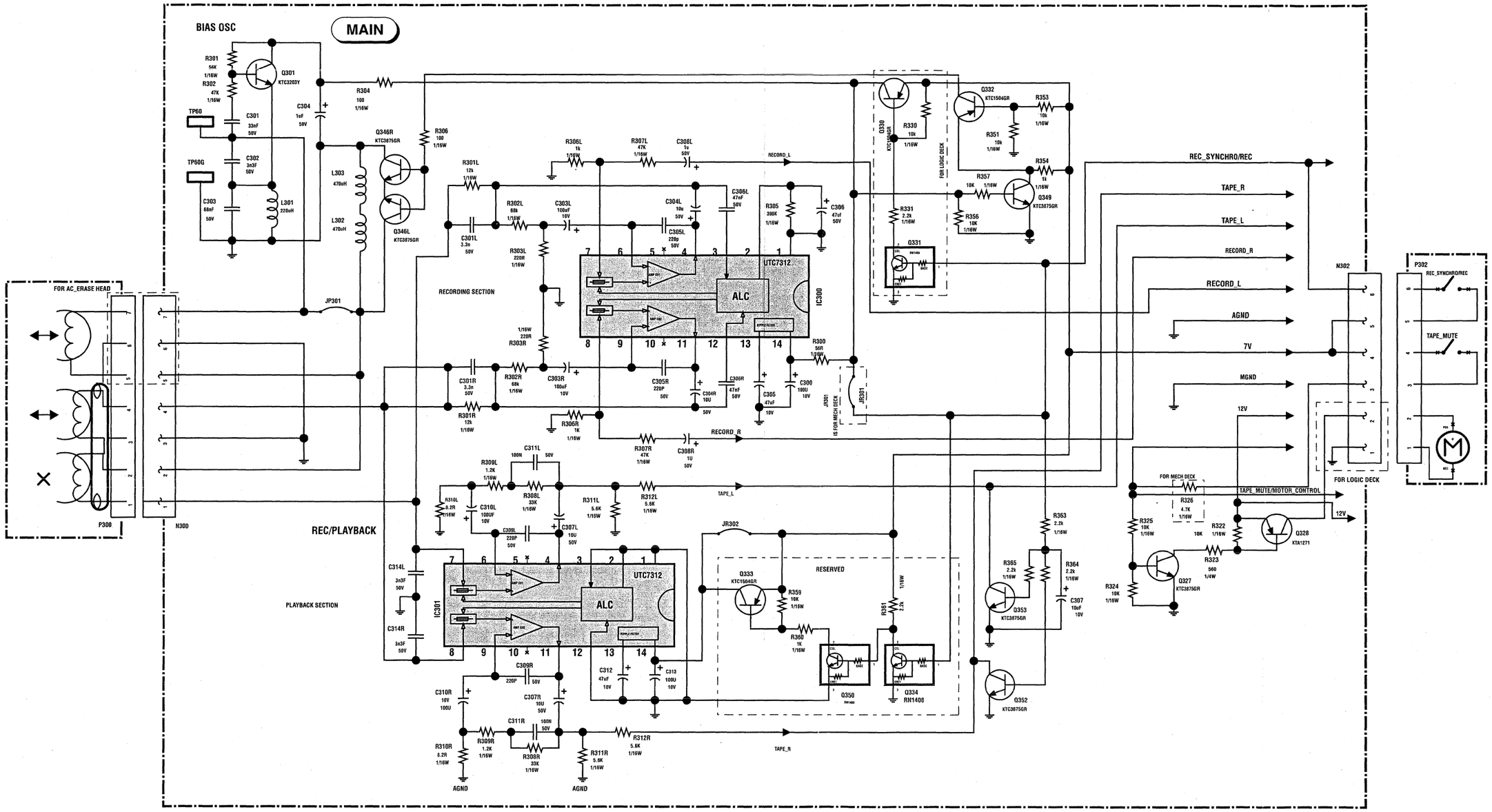
DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL
SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE
ESQUEMA DEL TRATAMIENTO DIGITAL

The complete Digital Processing Module is available from A.S.S. under Part Number :
En SAV, l'ensemble du module traitement digital est géré sous le code :
Die Sevice Bestell-Nr. für das Modul "Digital Processing kompl." ist :
Il codice del modulo completo di elaborazione digitale è :
En postventa, el modulo completo tratamiento digital lleva el código :

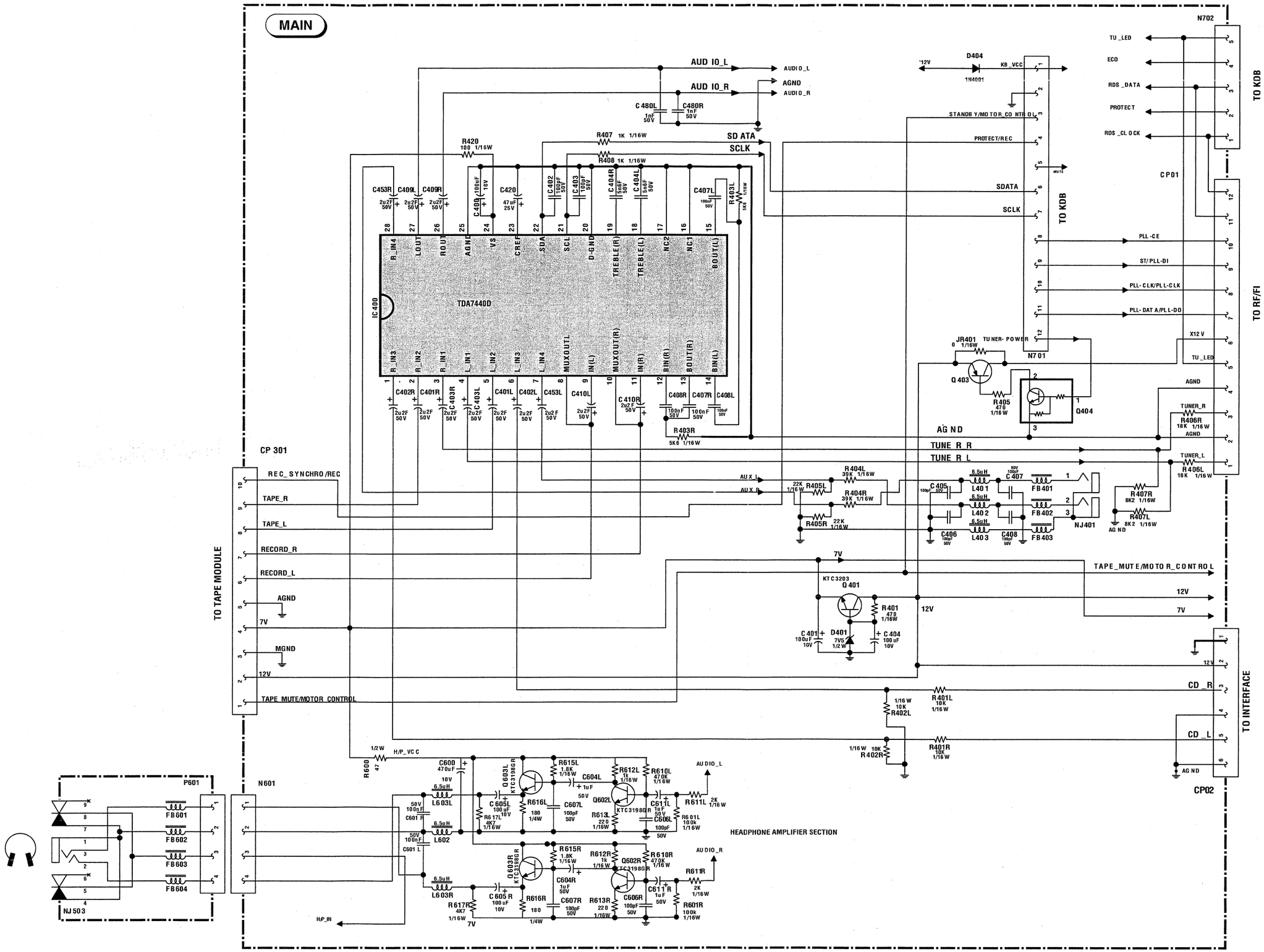
108 621 80



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (1/3)



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (2/3)



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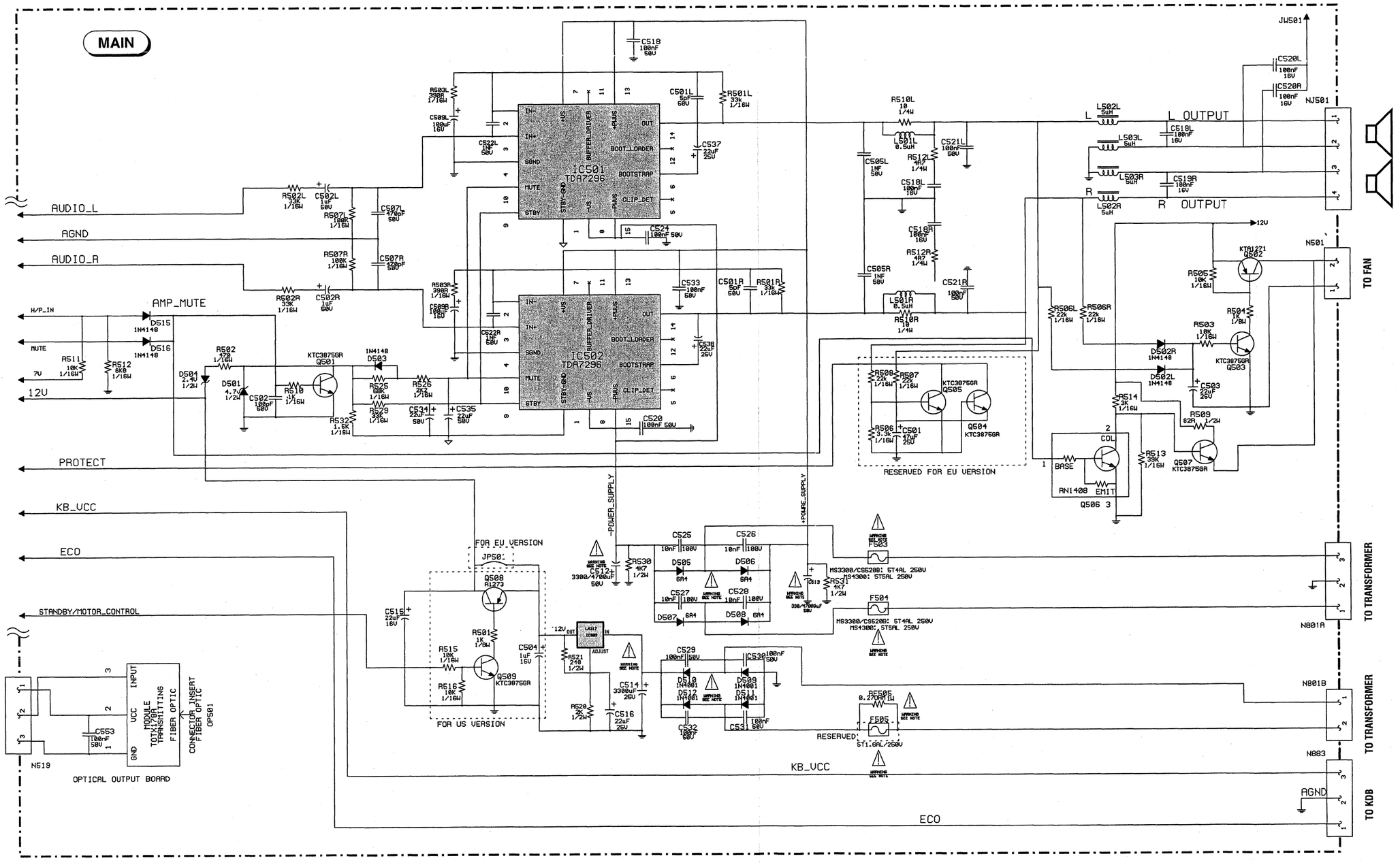
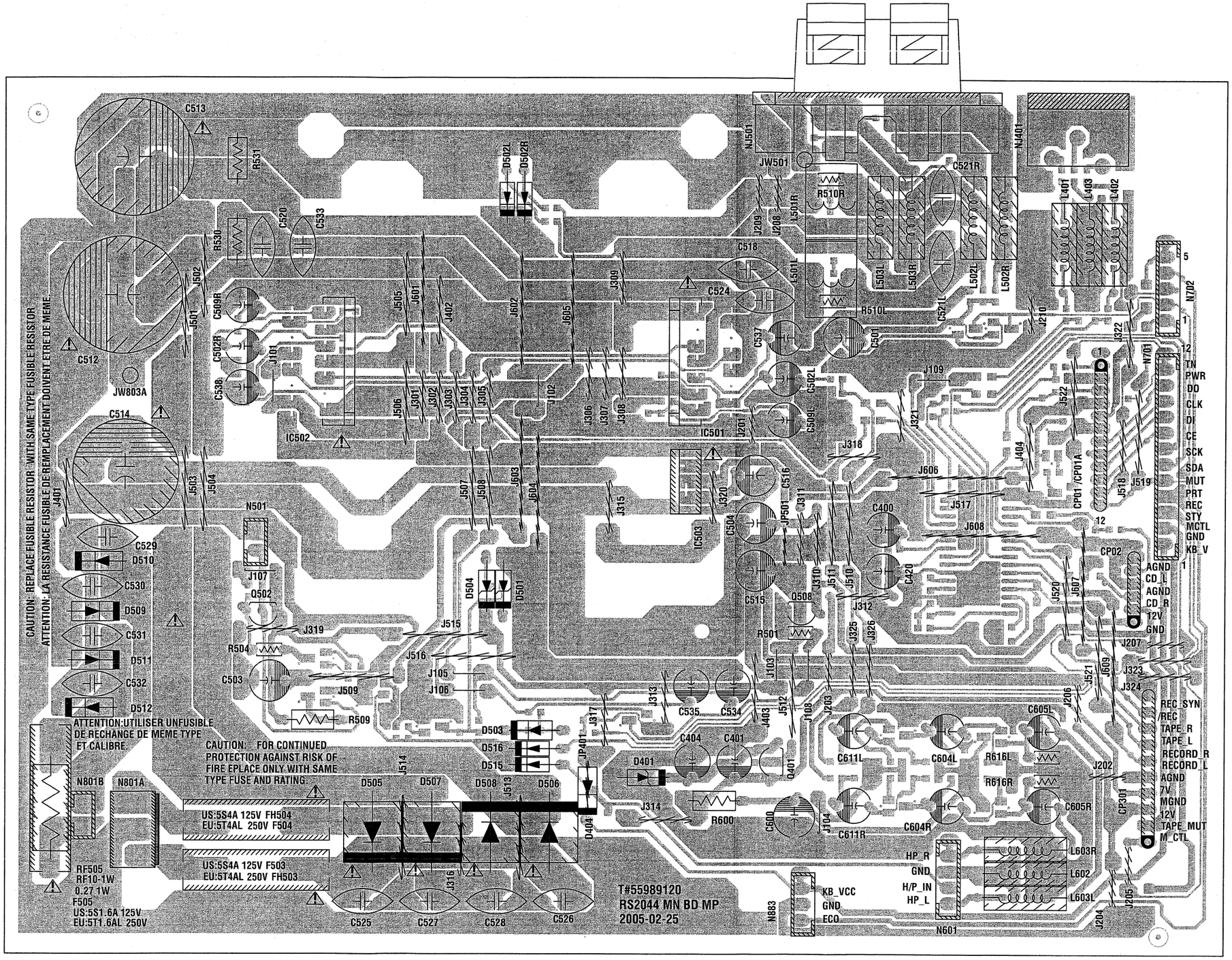
MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (3/3)



Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



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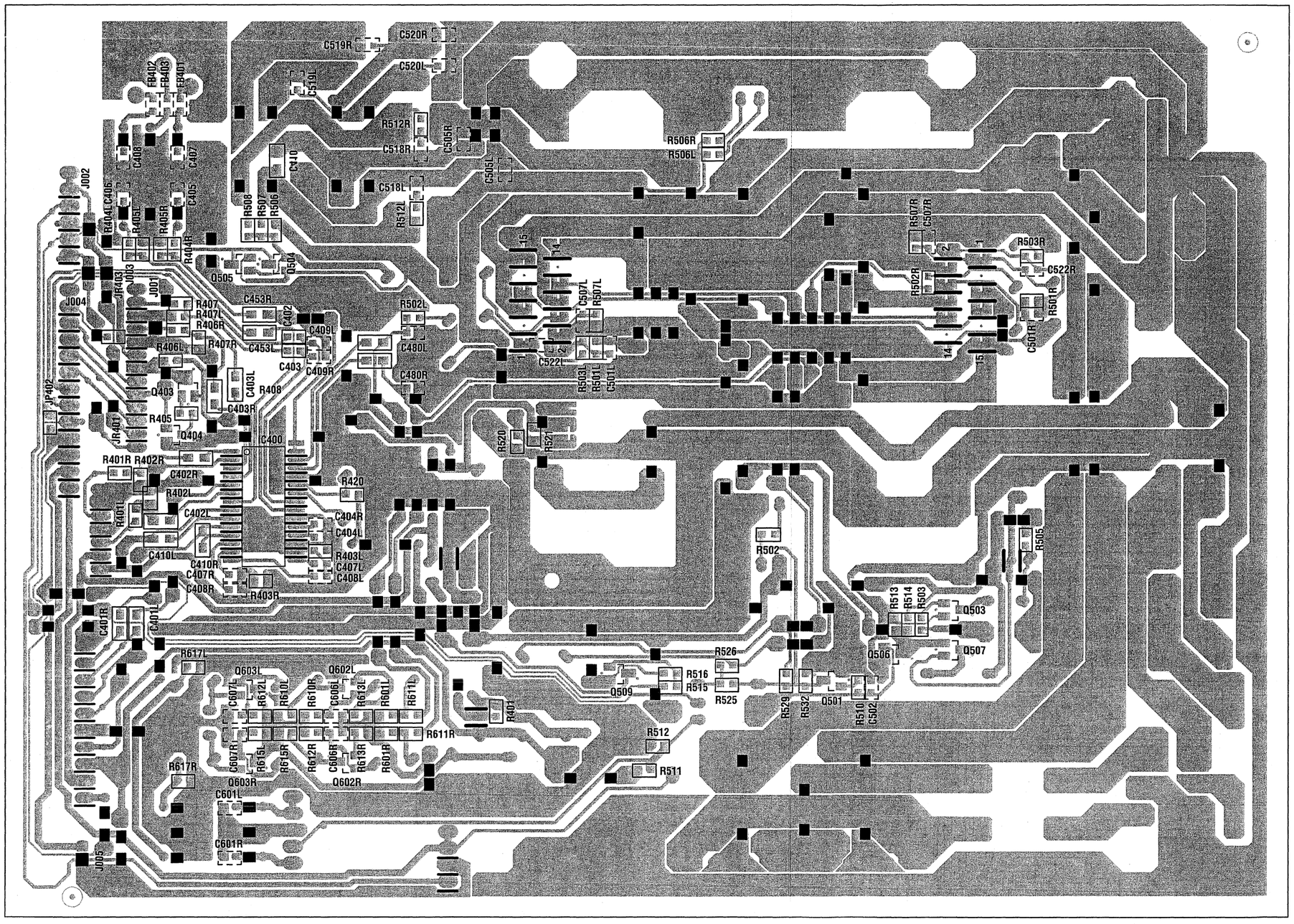
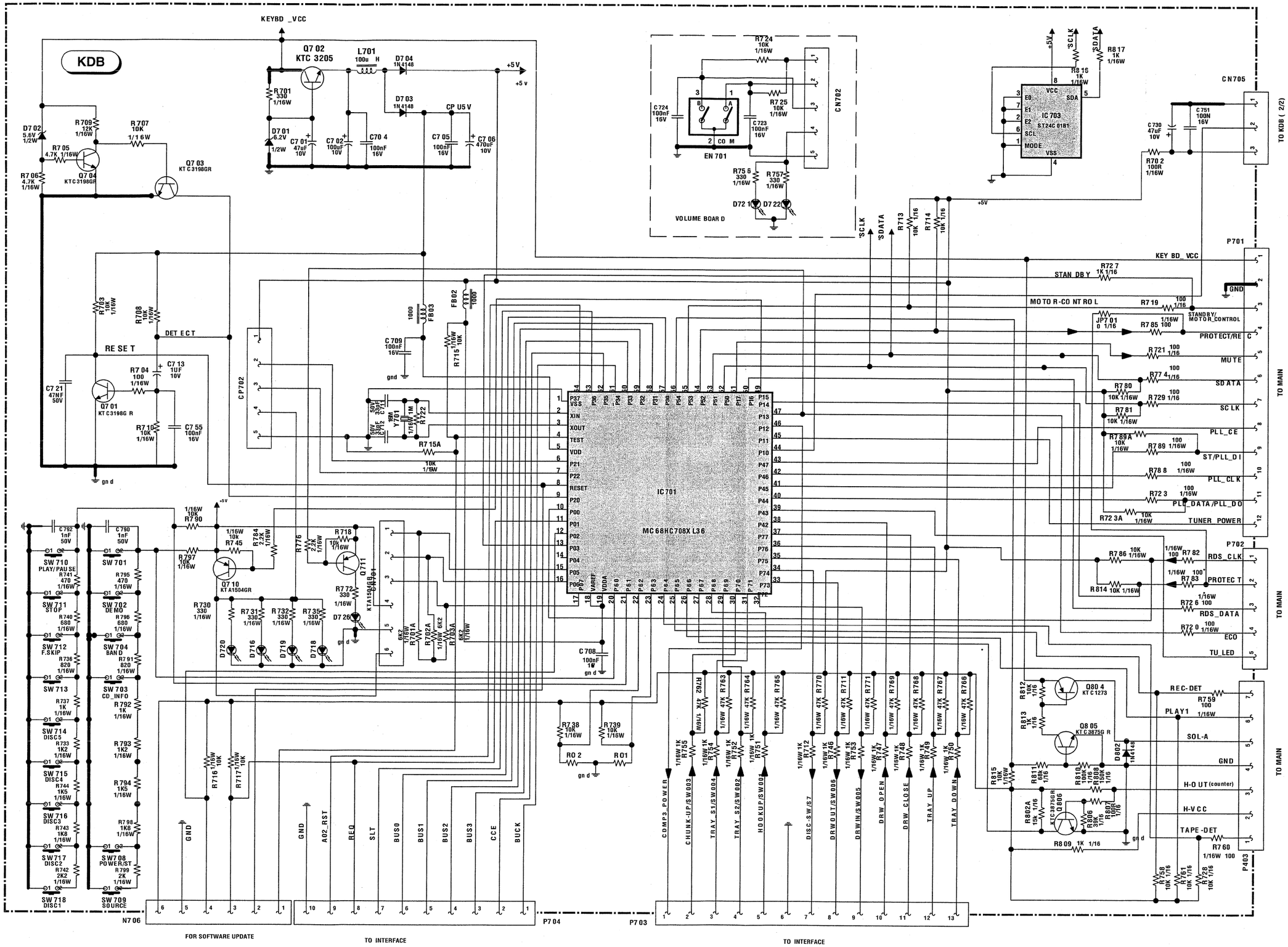
THOM-00105 / DRUCK:30

Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre



CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR - SCHALTBILD BEDIENTEIL / ANZEIGE - SCHEMA COMANDI / INDICATORE ESQUEMA MANDOS / INDICADOR (1/2)

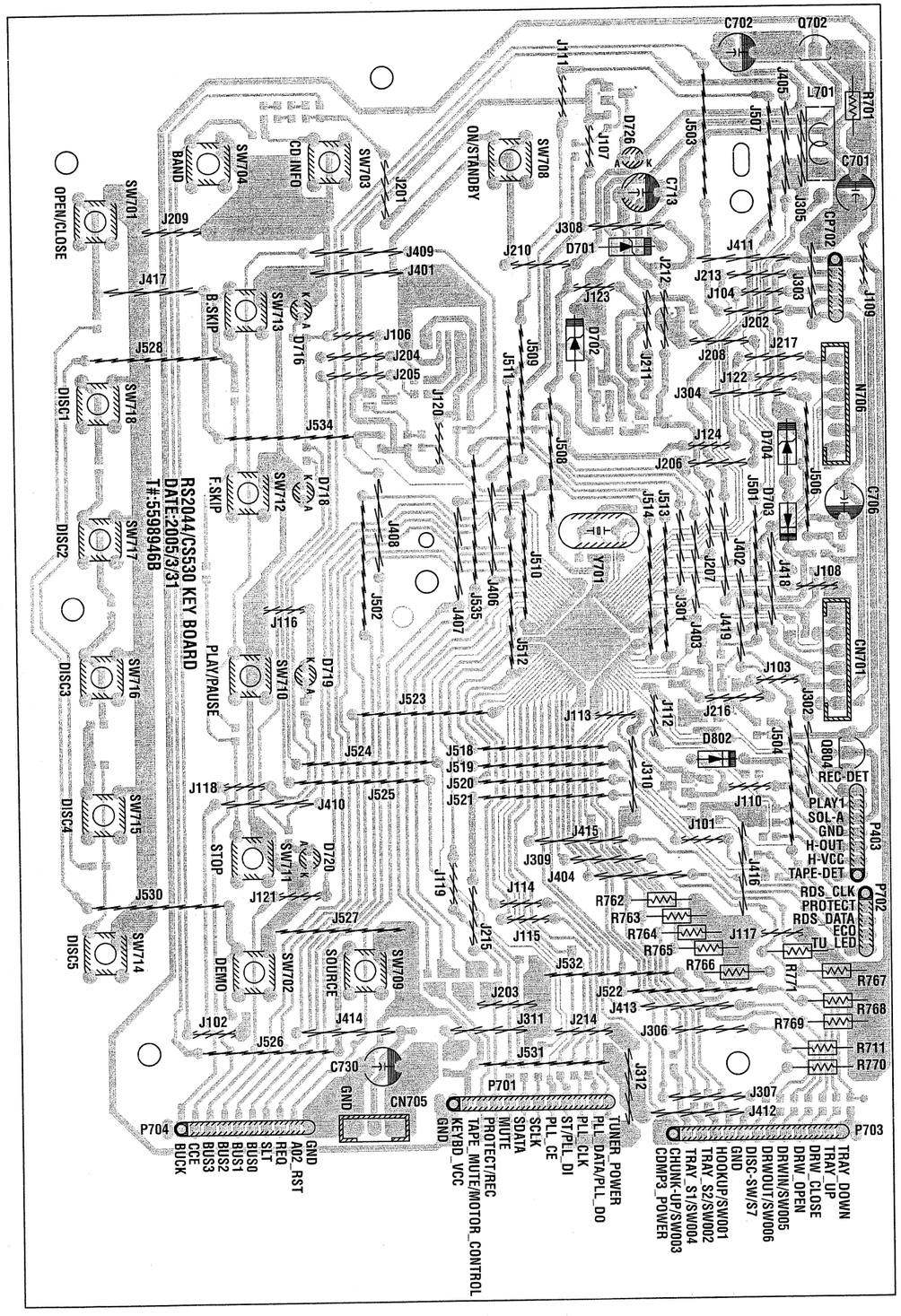


CRKD2152
First issue 08/05

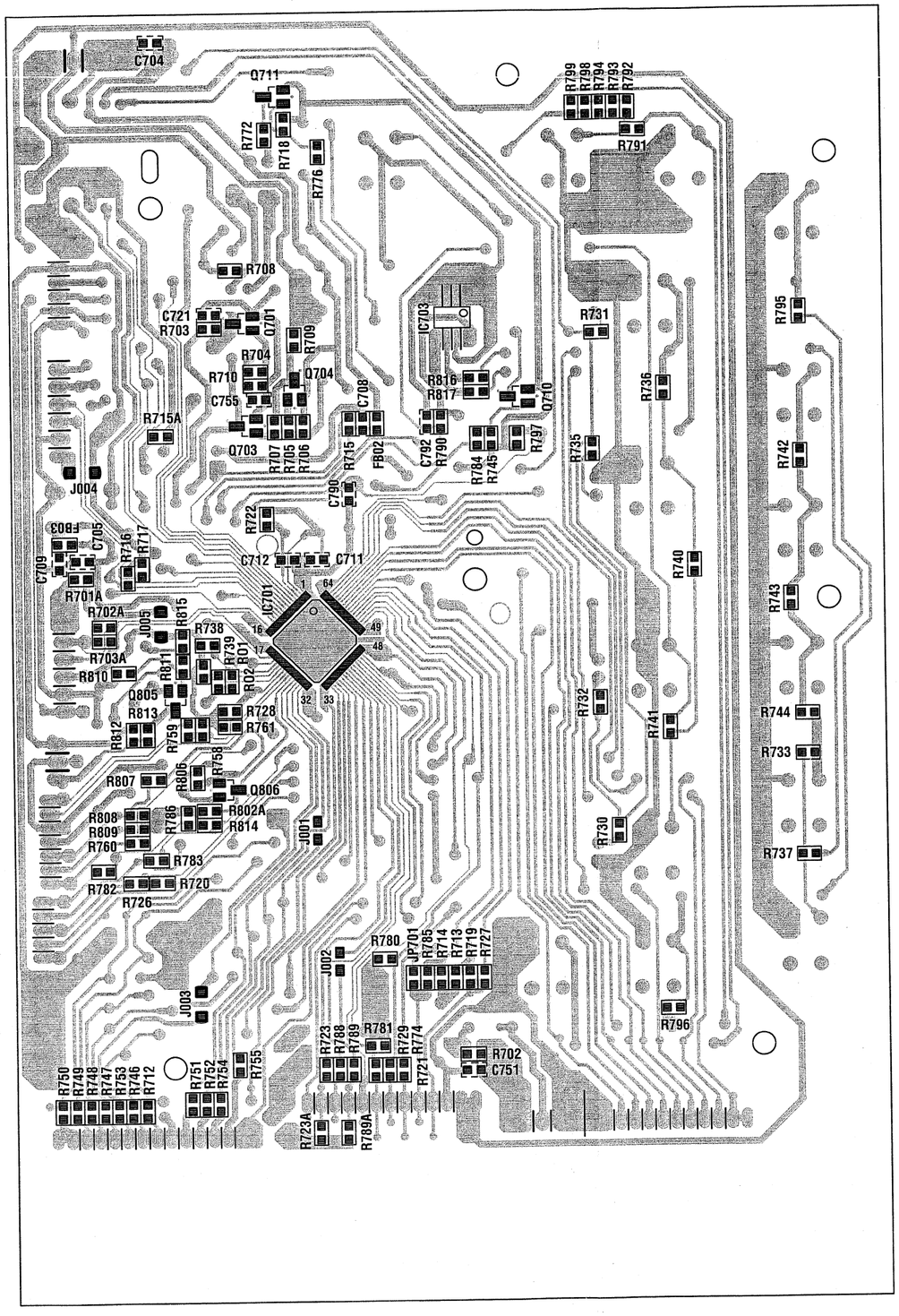
THOM-00105 / DRUCK:32

Control / display P.C.B.
Platine commandes / afficheur
Ltpl. Bedienteil / Anzeige
Piastra comandi / display
Platina de mandos / indicador

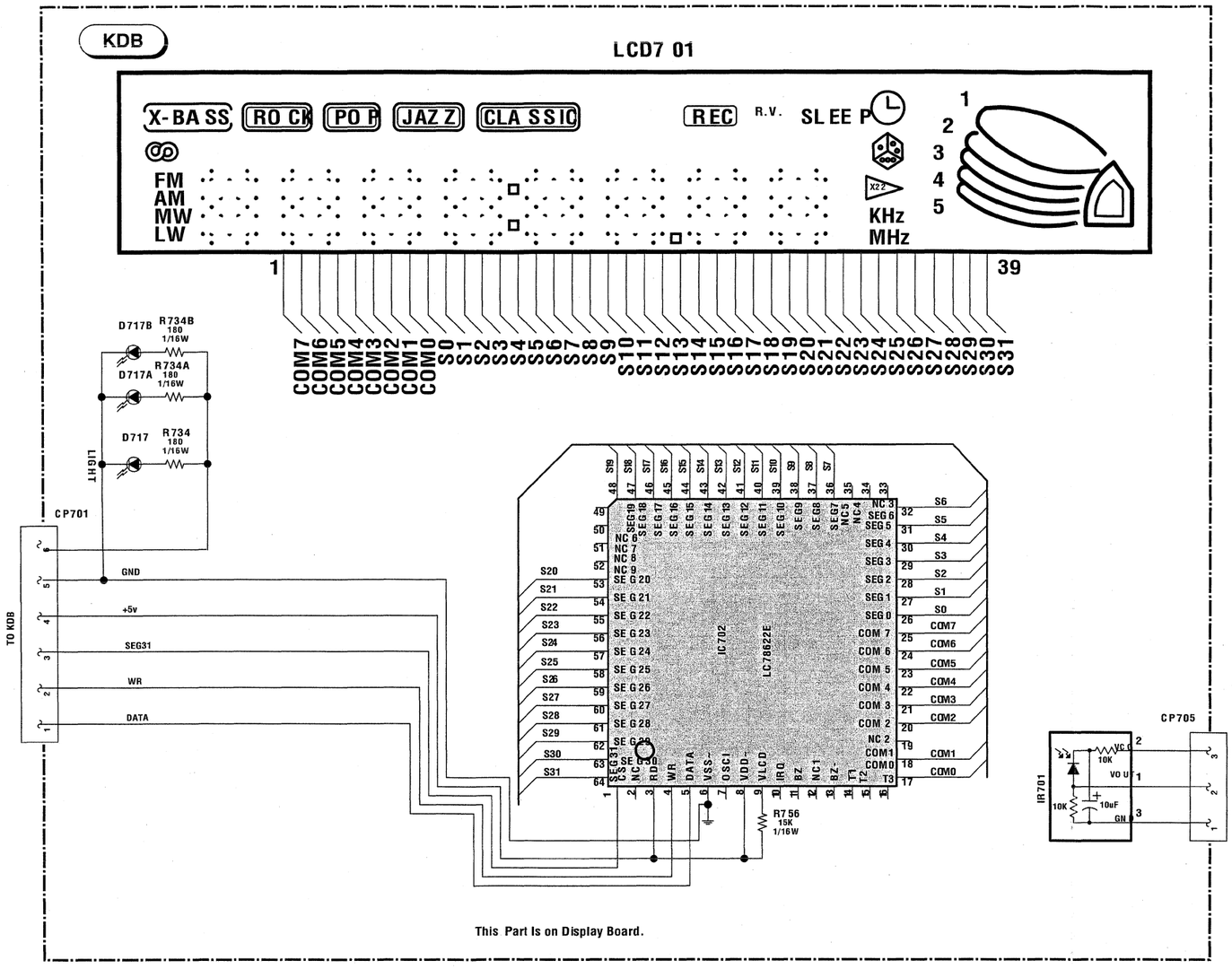
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre

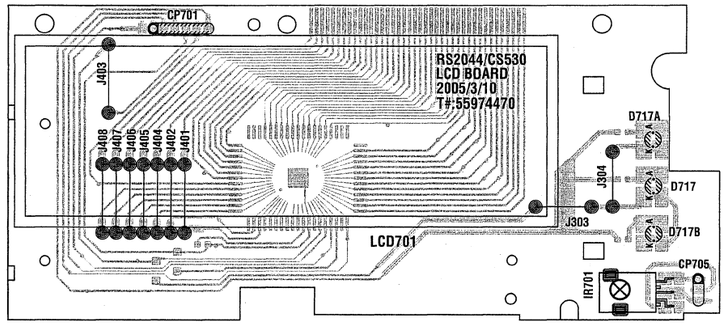


CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR
SCHALTBILD BEDIENTEIL / ANZEIGE - SCHEMA COMANDI / INDICATORE
ESQUEMA MANDOS / INDICADOR (2/2)

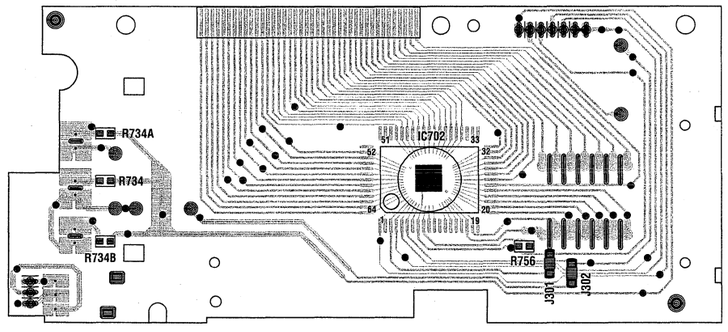


Control / display P.C.B.
Platine commandes / afficheur
Ltpl. Bedienteil / Anzeige
Piastra comandi / indicatore
Platina de mandos / indicador

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre



THOMSON

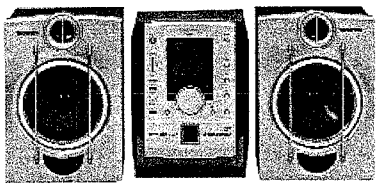
AUDIO

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

CS600 / CS600B
CS700 / CS700B / CS700U

Version (PC*): A / B

*PC: The version code is indicated either in the battery compartment or on the back of the unit - ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC: Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - il codice della versione è indicato nello scompartimento delle batterie o sul retro dell'apparecchio - el código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Caracteristicas del aparato

Type of set: **Type d'appareil:** **Geräteart:** **Tipo d'apparecchio:** **Tipo de aparato:**	Two-in-one horizontale combination/DAD Ensemble compact stéréophonique DAD-2er Horizontal Kompaktanlage Compatto Hifi/CD Equipo compacto estereofónico/DAD		⟷ 250mm ↕ 280 mm ↗ 310 mm 8kg
Power supply: **Alimentation:** **Stromversorgung:** **Alimentazione:** **Alimentación:**	230 V ~ 50Hz	**Nominal output power:** **Puissance nominale de sortie:** **Nennausgangsleistung:** **Potenza nominale di uscita:** **Potencia nominal de salida:**	2 x 70W (rms) 2 x 150W (music)
FM - MF: **MW - PO:** **LW - GO:**	87.5 - 108 MHz 522 - 1611 kHz 150 - 283 kHz	**Sensitivity:** **Sensibilité:** **Empfindlichkeit:** **Sensibilità:** **Sensibilidad:**	**FM - MF:** 48µV (S/N = 50 dB) **MW - PO:** 1000µV/m (S/N = 20 dB) **LW - GO:** 2500µV/m (S/N = 20 dB)
DAD **Disc rotation speed:** **Vitesse de rotation du disque:** **CD-Drehgeschwindigkeit:** **Velocità di rotazione del disco:** **Velocidad de rotación del disco:**	200 ➡ 500 tr/mn	**Frequency response:** **Courbe de réponse:** **Frequenzgang:** **Curva di risposta:** **Curva de respuesta:**	60 Hz - 16 kHz (-3 dB)
Stereo separation : **Diaphonie :** **Übersprechdämpfung :** **Diafonia :** **Diafonía :**	40 dB	**Signal to noise ratio:** **Rapport signal / bruit:** **Geräuschspannungabstand:** **Rapporto segnale / disturbo:** **Relación señal / ruido:**	60 dB

WARNING : ***Before servicing this chassis read the safety recommendations.***
ATTENTION : ***Avant toute intervention sur ce châssis, lire les recommandations de sécurité.***
ACHTUNG : ***Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.***
ATTENZIONE : ***Prima di intervenire sullo chassis, leggere le norme di sicurezza.***
IMPORTANTE : ***Antes de cualquier intervención, leer las recomendaciones de seguridad.***

0805 - CRKD2154 - CRKD2155

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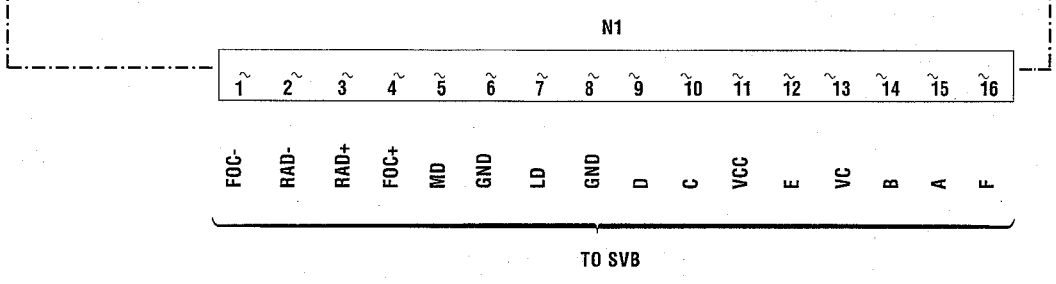
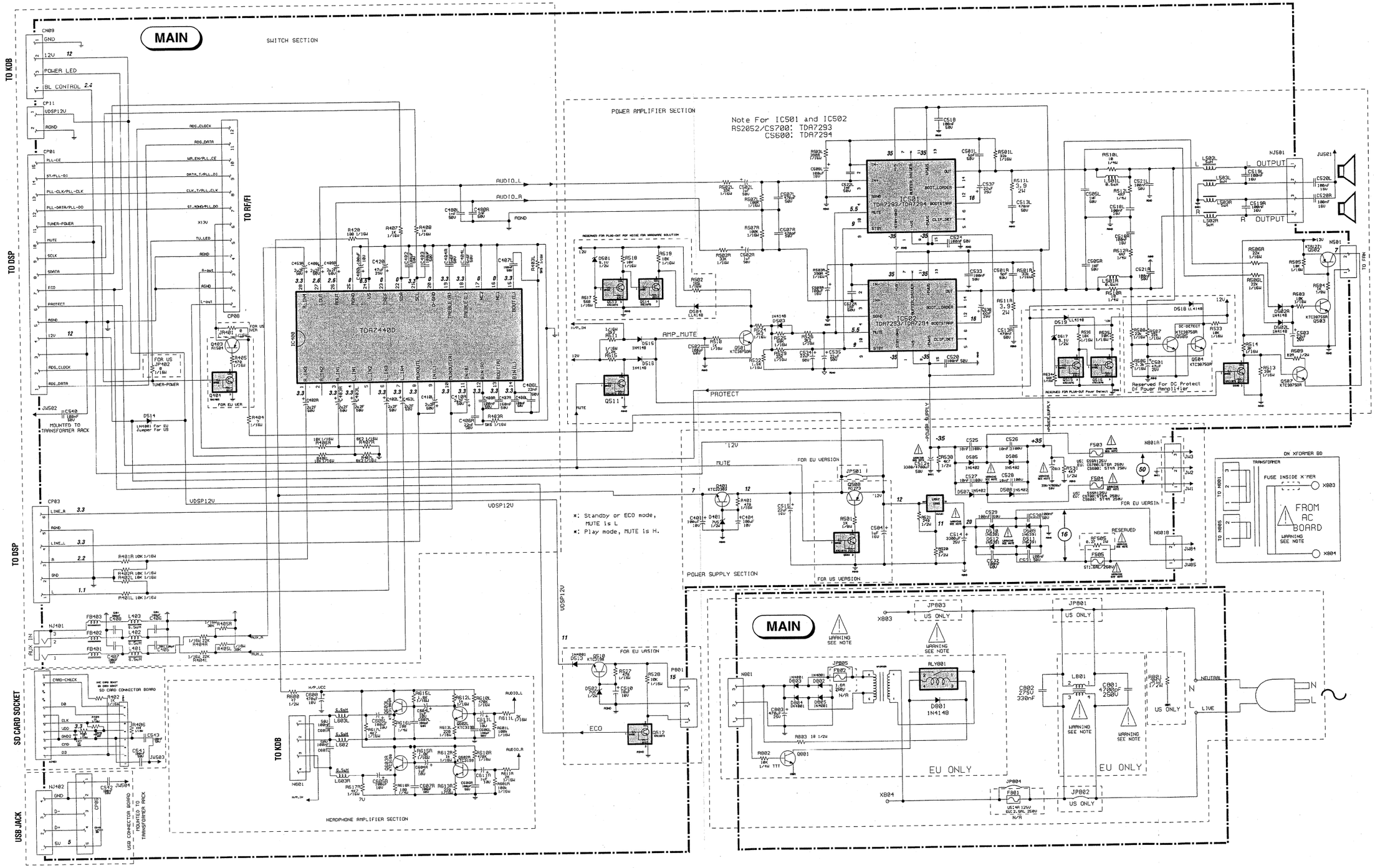
DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE ESQUEMA DEL TRATAMIENTO DIGITAL

The complete Digital Processing Module is available from A.S.S. under Part Number :
En SAV, l'ensemble du module traitement digital est géré sous le code :
Die Sevice Bestell-Nr. für das Modul "Digital Processing kompl." ist :
Il codice del modulo completo di elaborazione digitale è :
En postventa, el modulo completo tratamiento digital lleva el código :

108 621 80

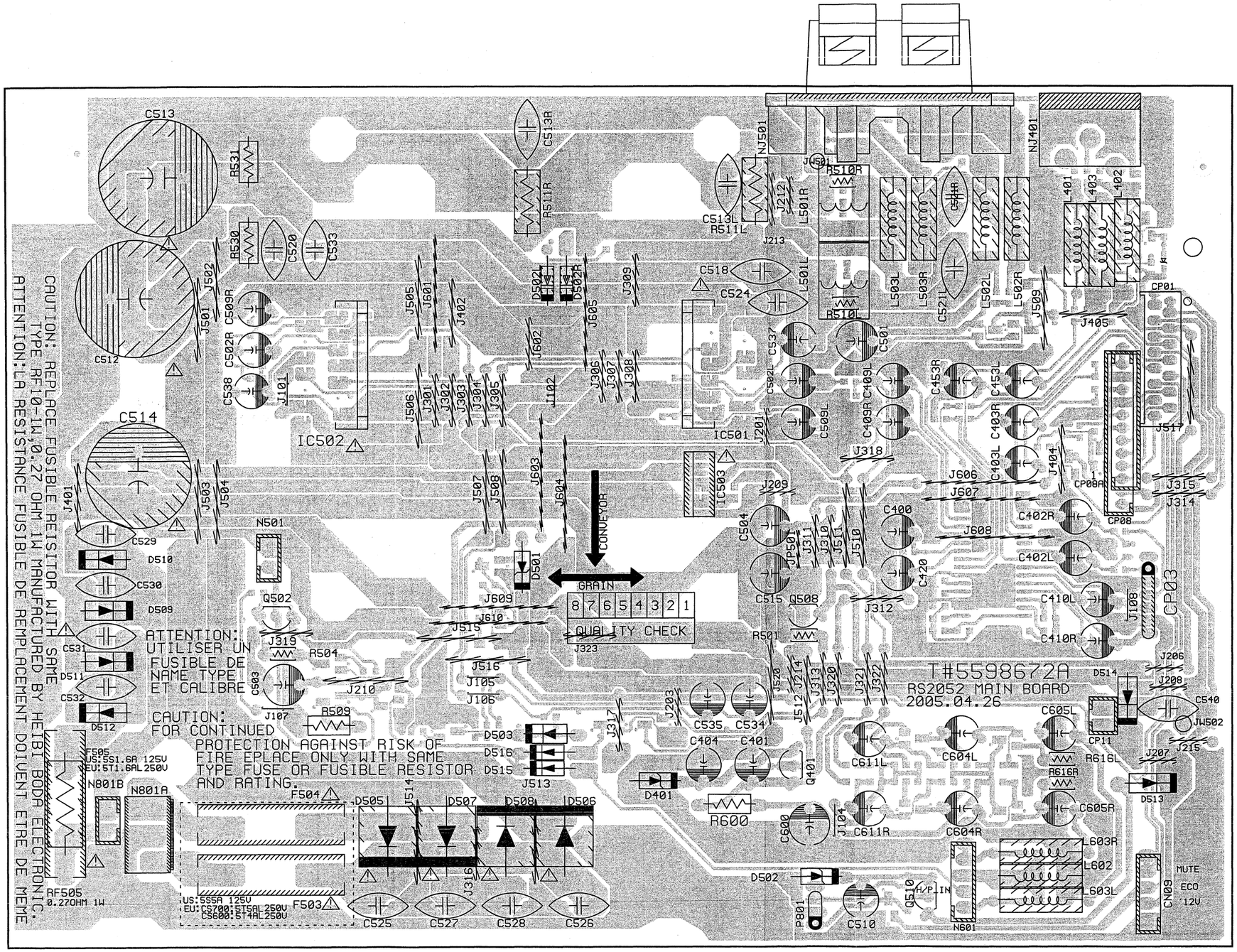


MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL



Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



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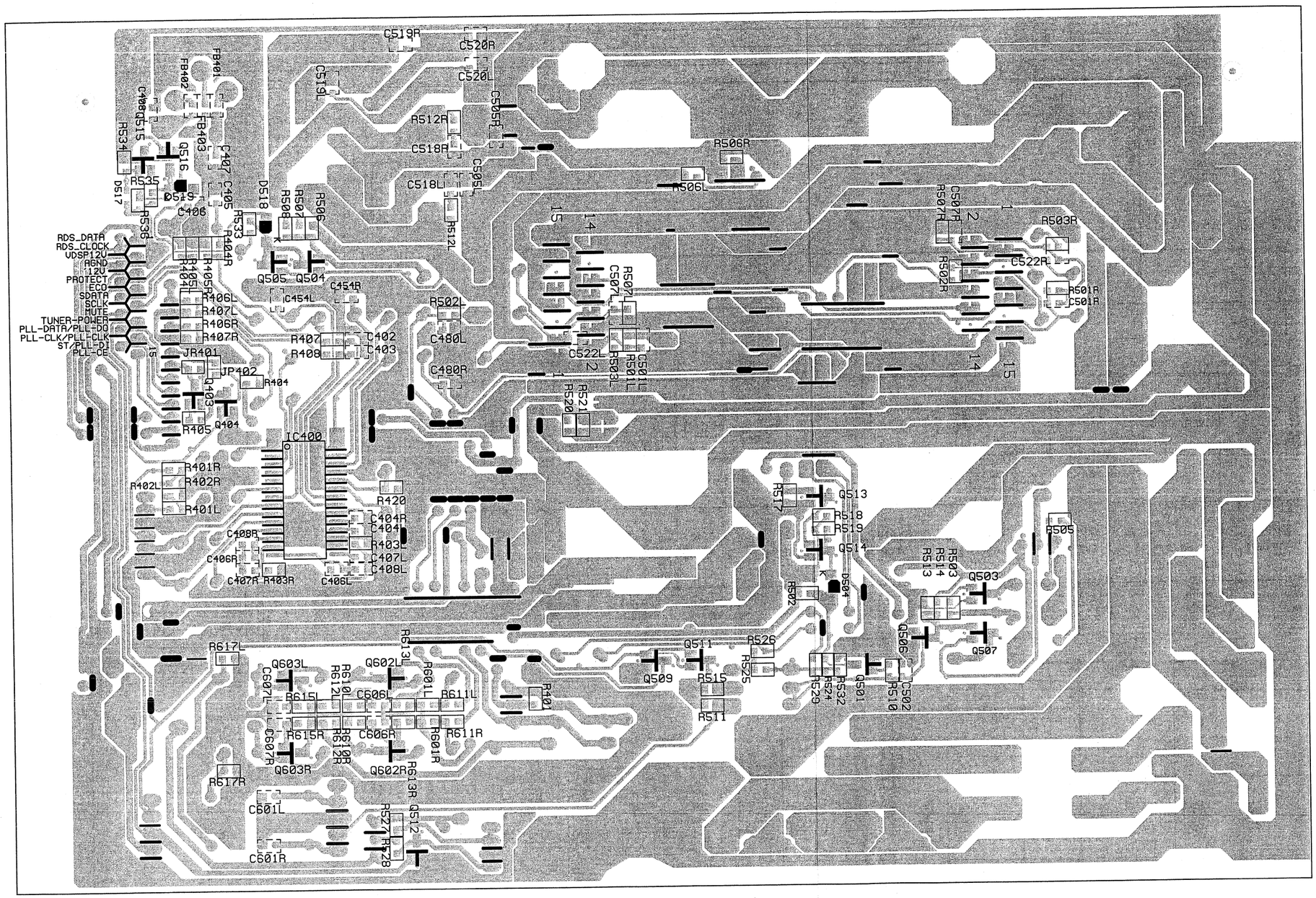
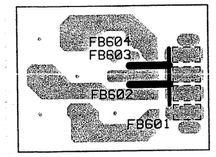
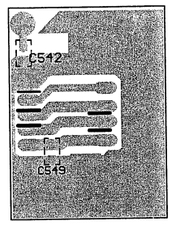
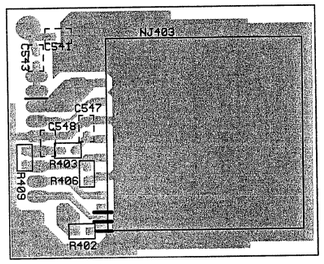
Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre

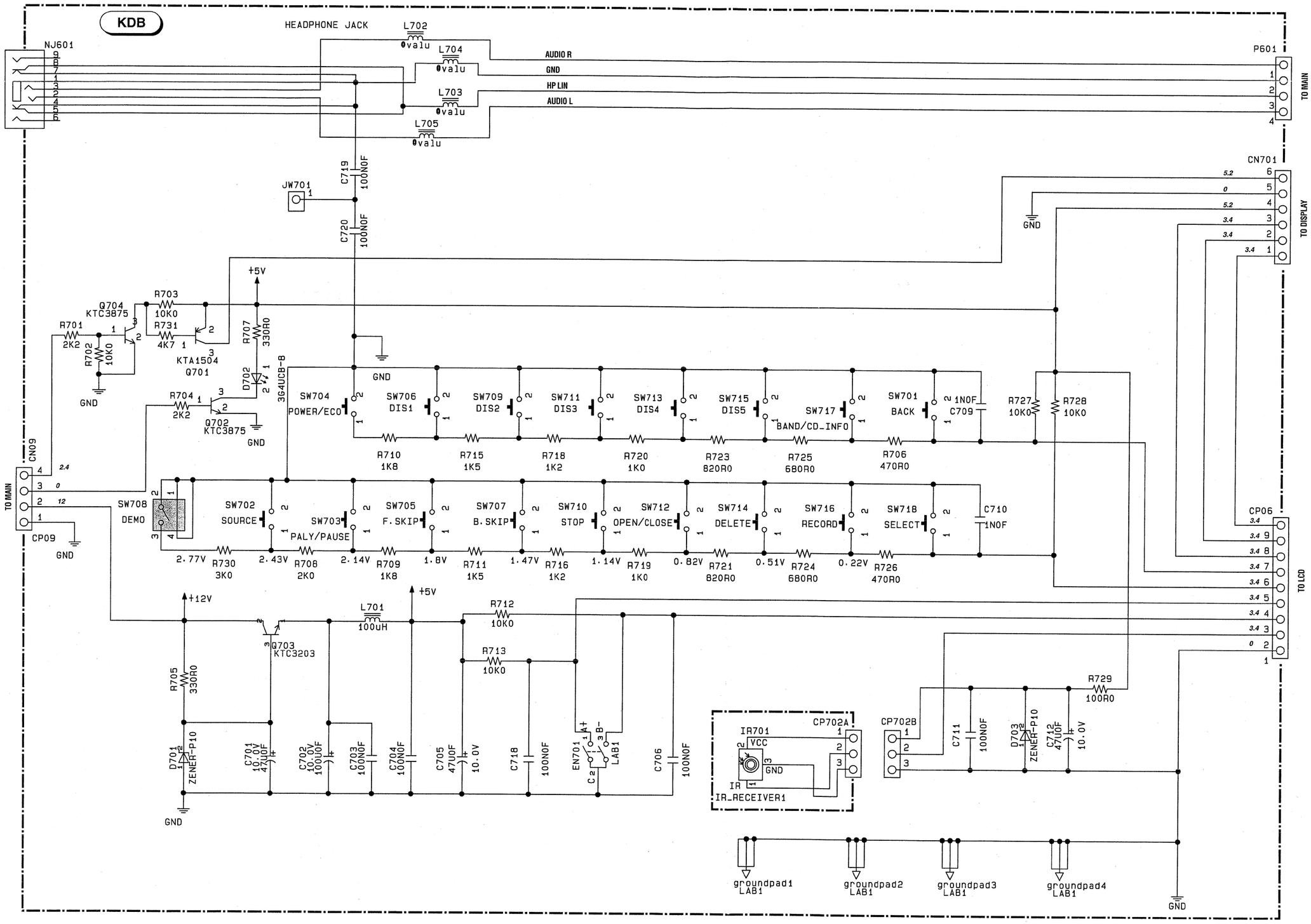




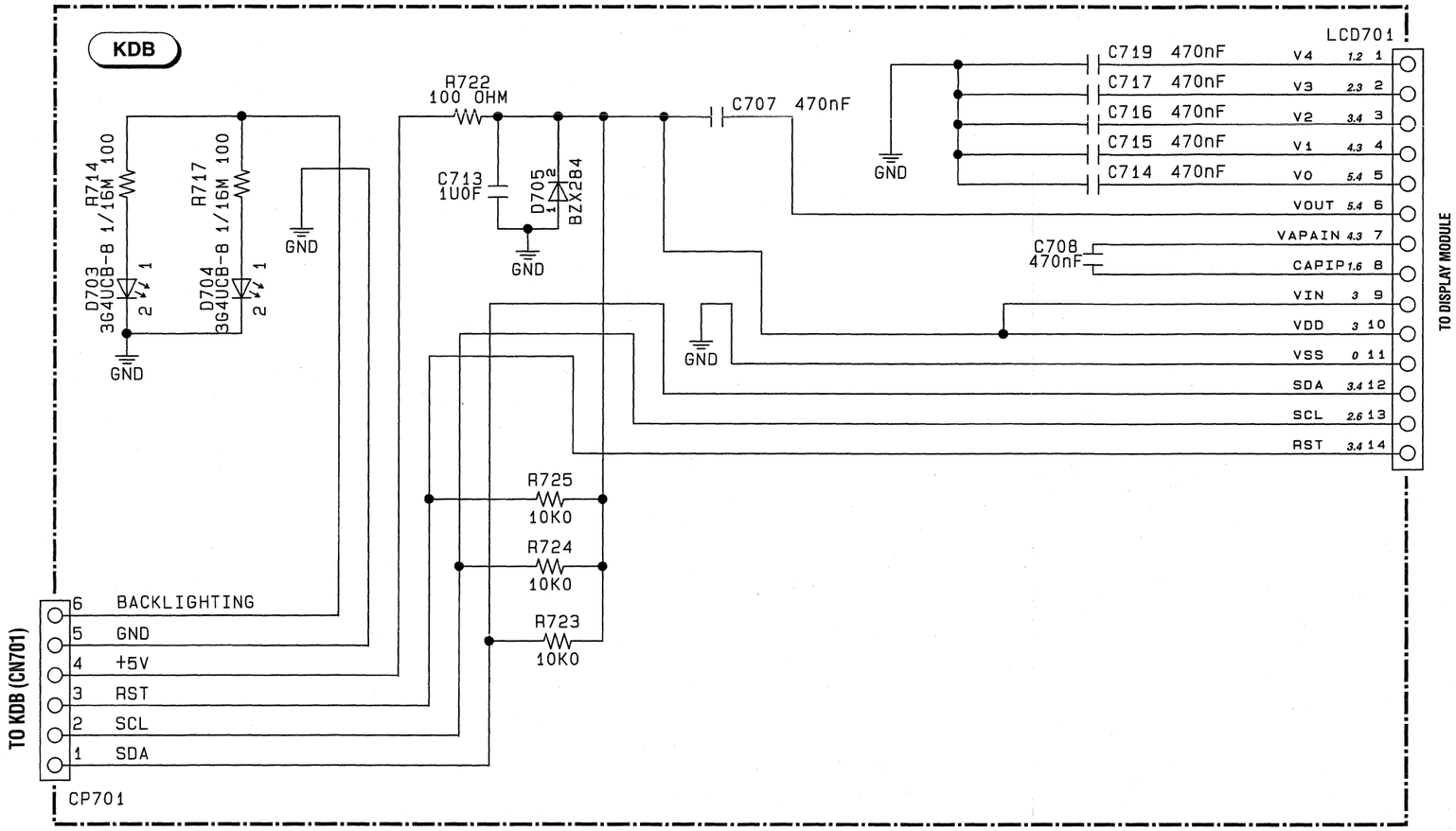




CONTROL SCHEMATIC DIAGRAM - SCHEMA COMMANDES - SCHALTBILD BEDIENTEIL - SCHEMA COMANDI - ESQUEMA MANDOS

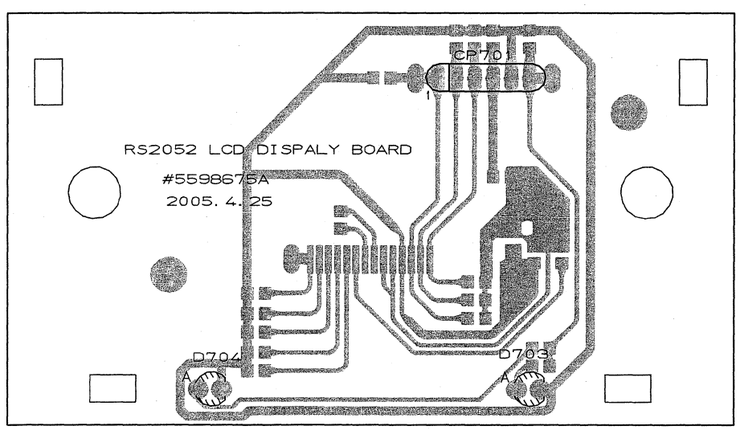


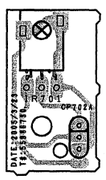
DISPLAY SCHEMATIC DIAGRAM - SCHEMA AFFICHEUR - SCHALTBILD ANZEIGE - SCHEMA INDICATORE - ESQUEMA INDICADOR

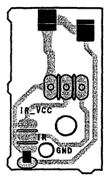


Display P.C.B.
Platine afficheur
Ltpl. Anzeige
Piastra indicatore
Platina indicador

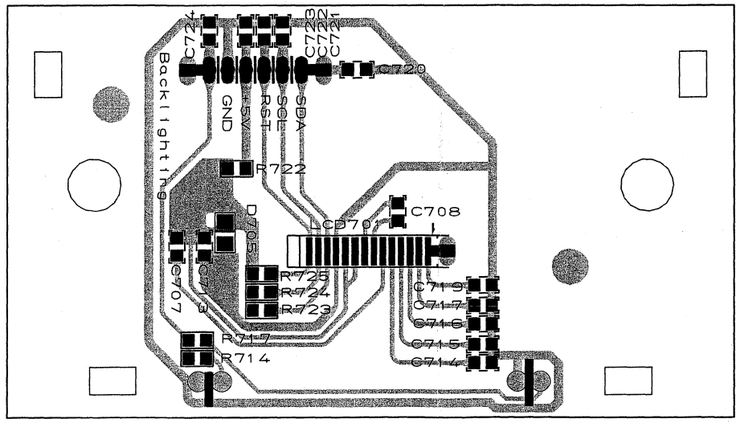
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes







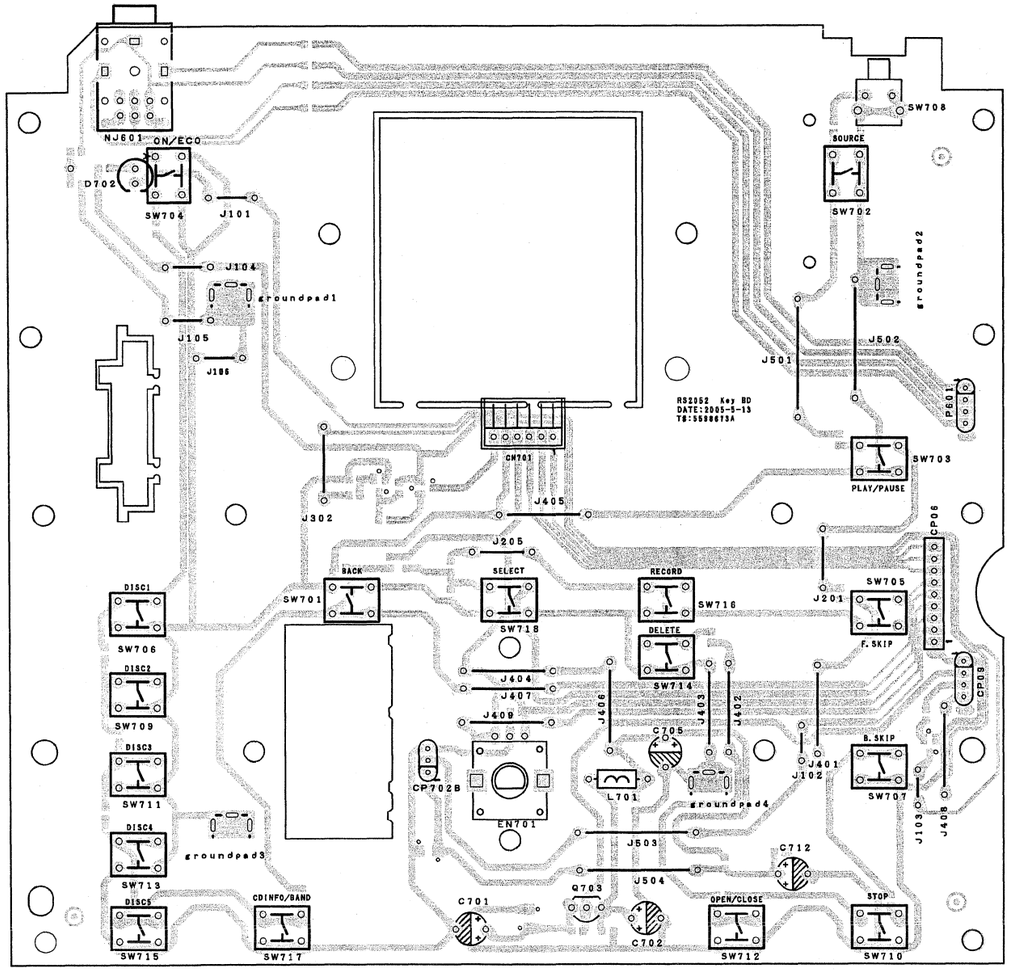
Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre

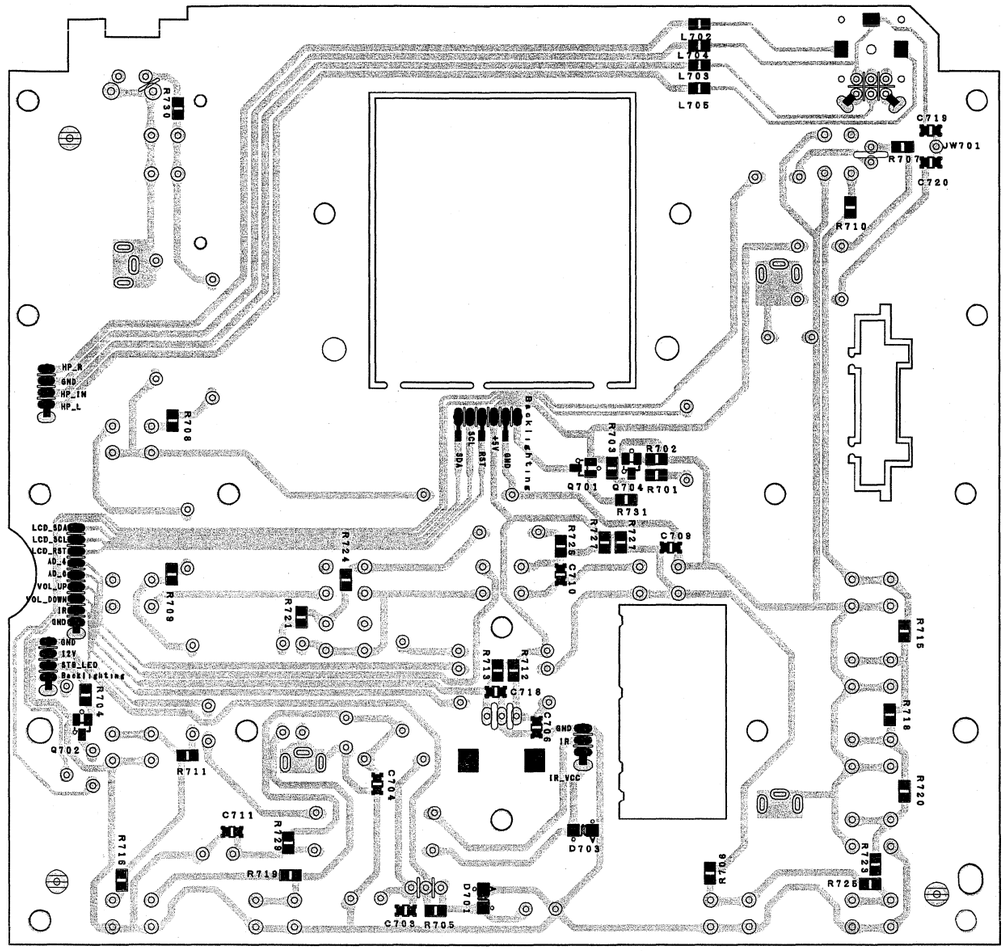


Control P.C.B.
Platine commandes
Ltpl. Bedienteil
Piastra comandi
Platina de mandos

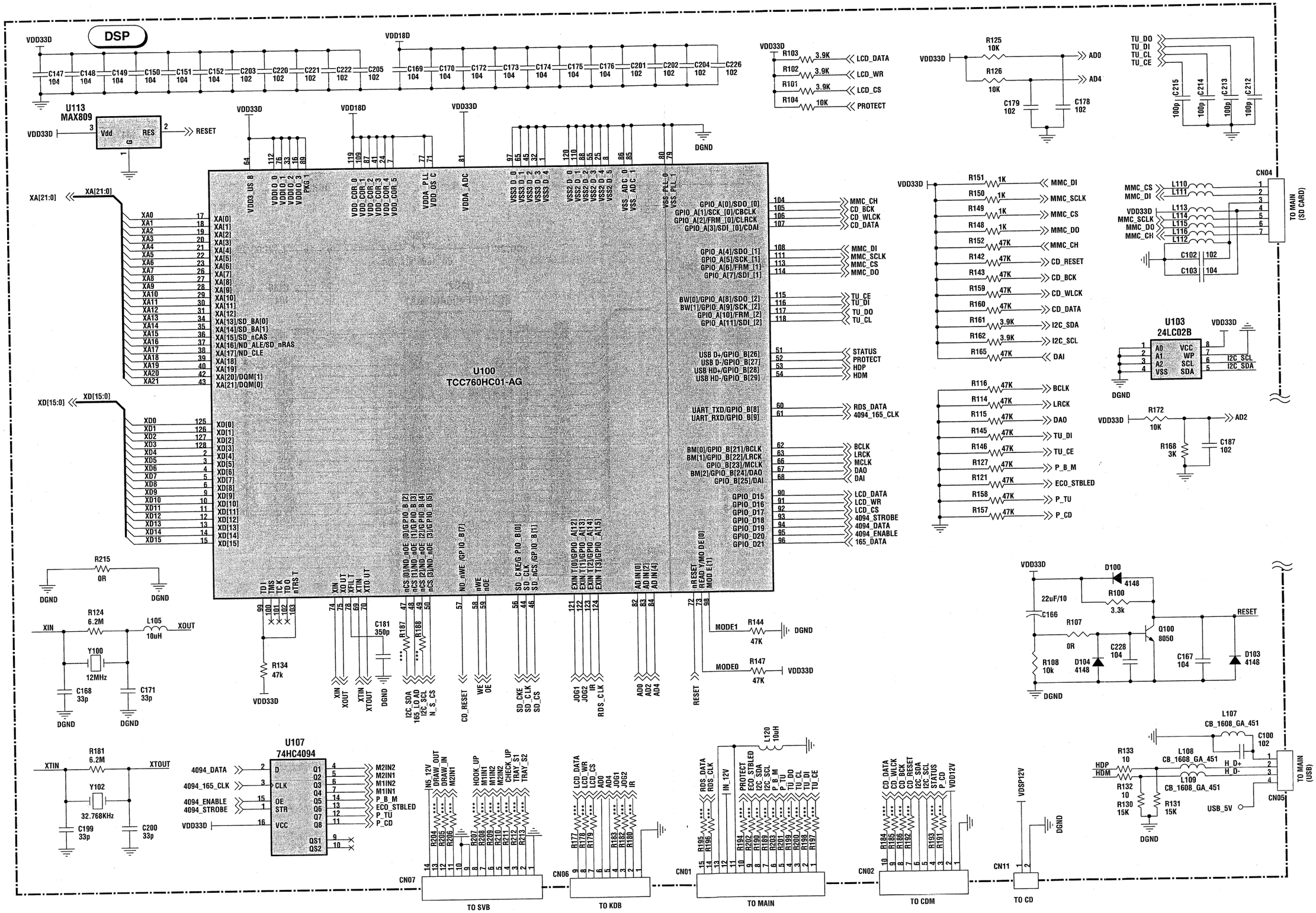
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre

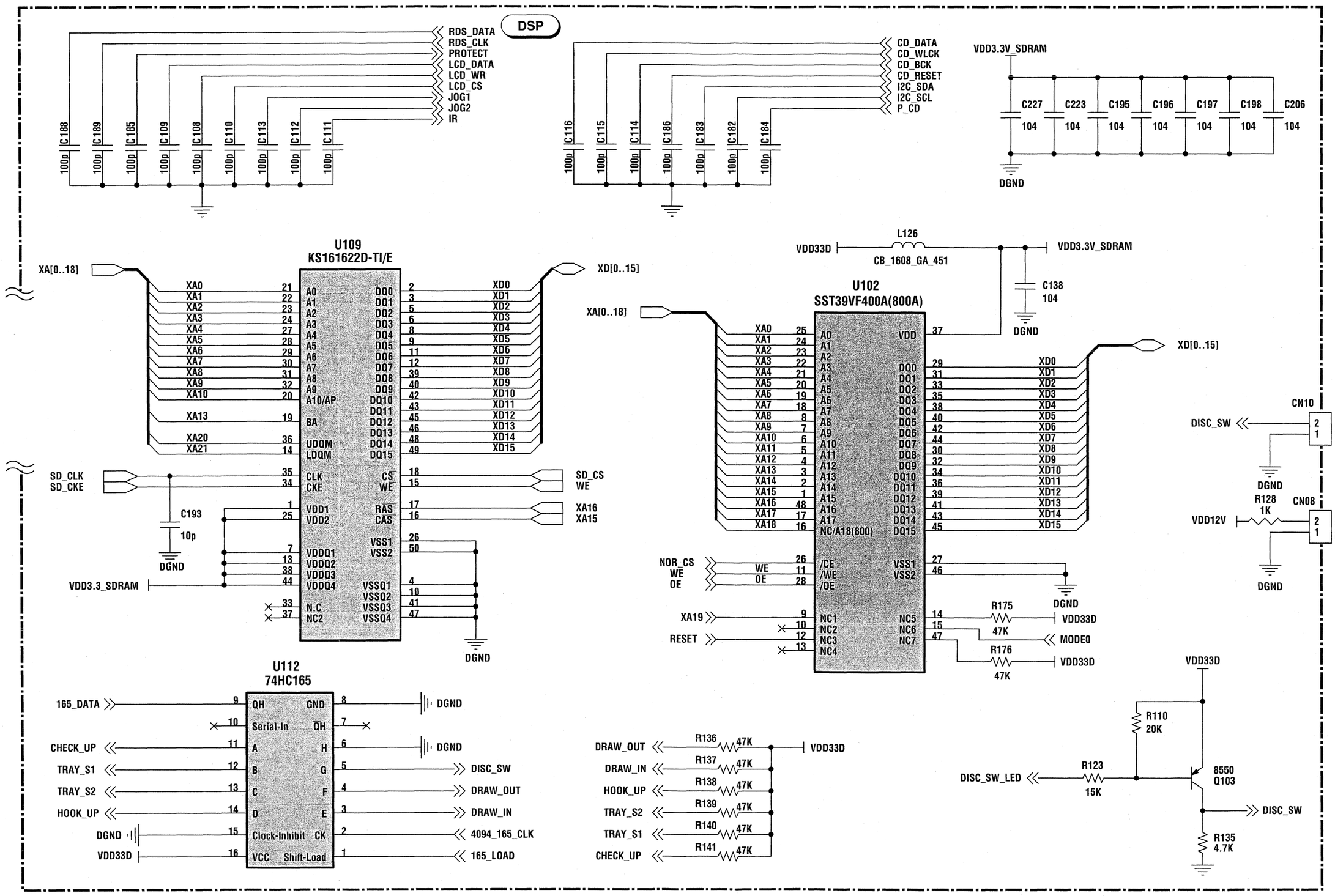




DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE
ESQUEMA DEL TRATAMIENTO DIGITAL (1/3)

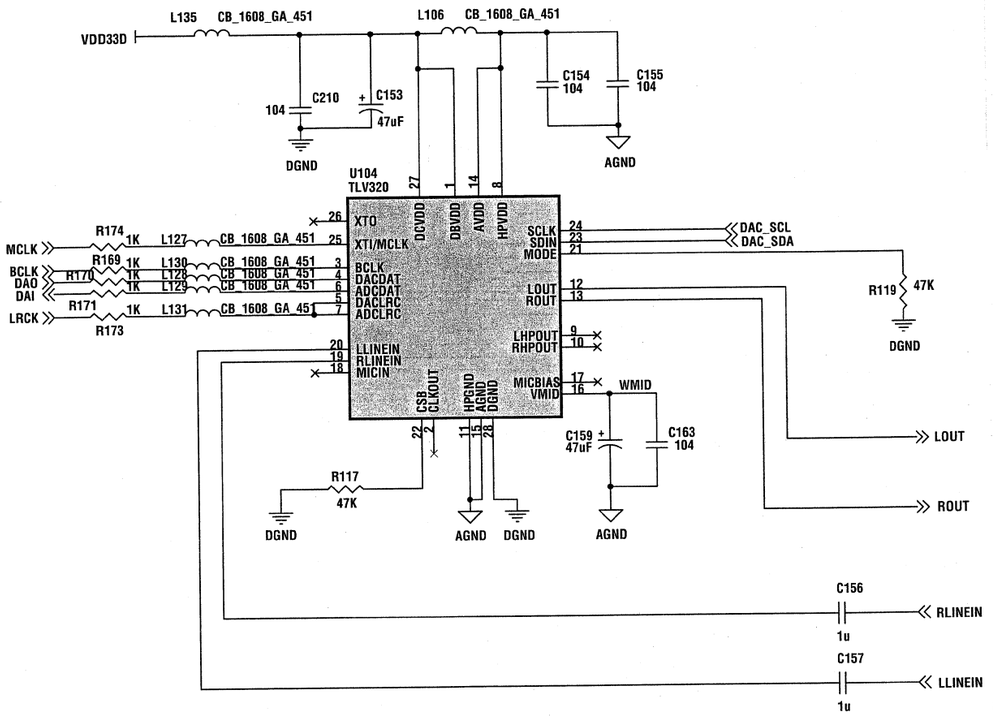


DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE ESQUEMA DEL TRATAMIENTO DIGITAL (2/3)

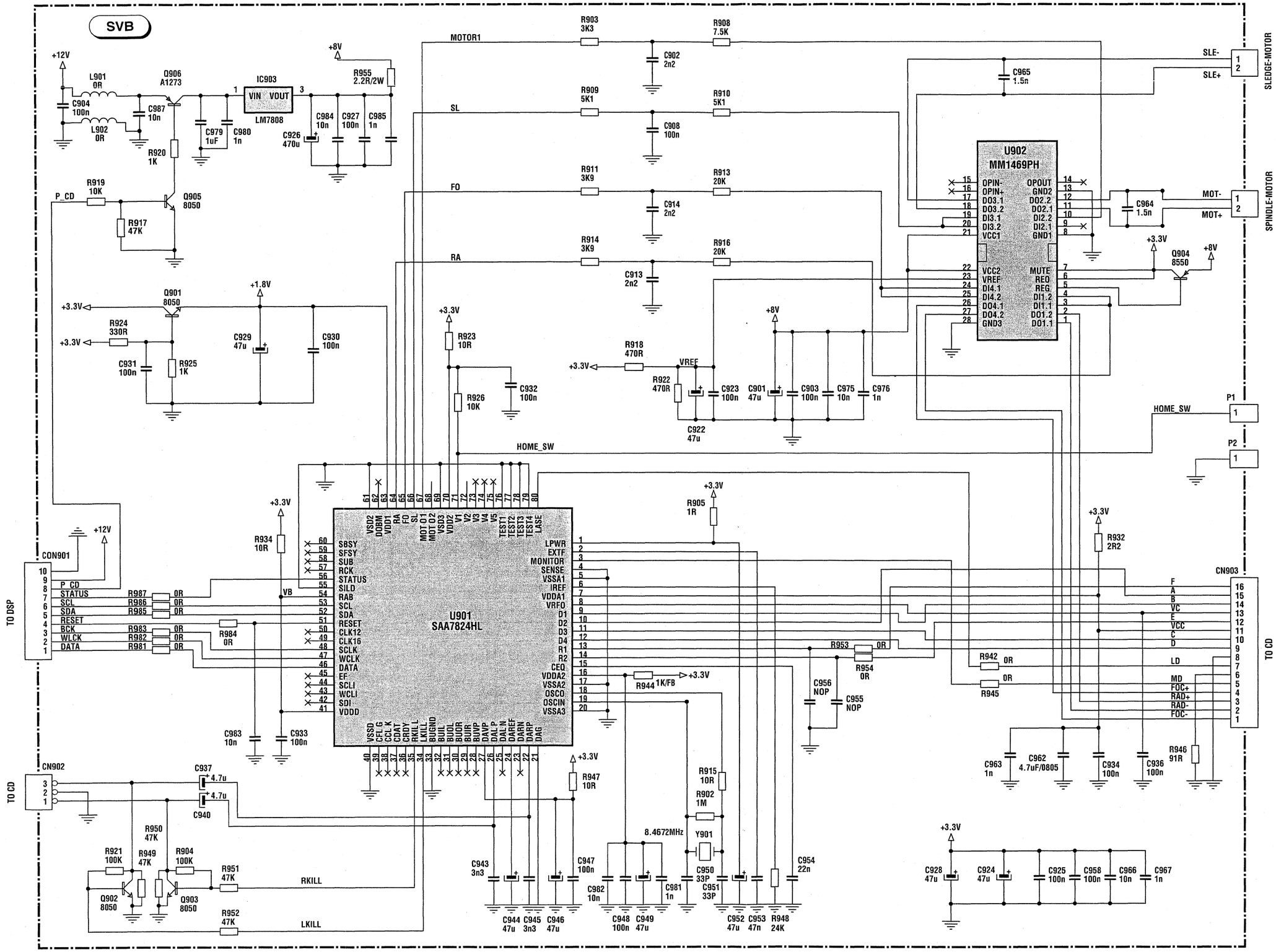


DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE ESQUEMA DEL TRATAMIENTO DIGITAL (3/3)

DSP

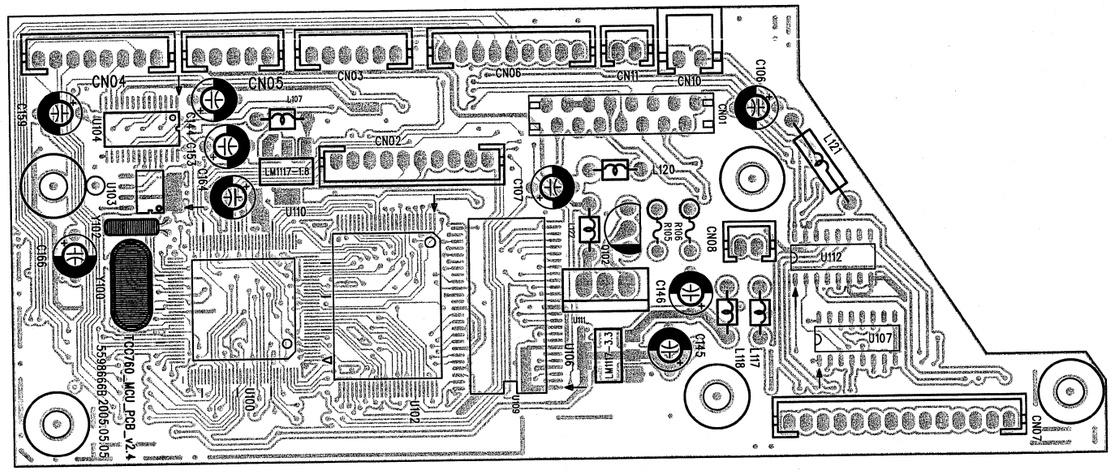


MICROCONTROLLER SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE MICROCONTROLEUR - MİCROCONTROLLER SCHALTBILD SCHEMA DELLA PIASTRA MICROPROCESSORE ESQUEMA DE LA PLATINA MICROCONTROLADOR

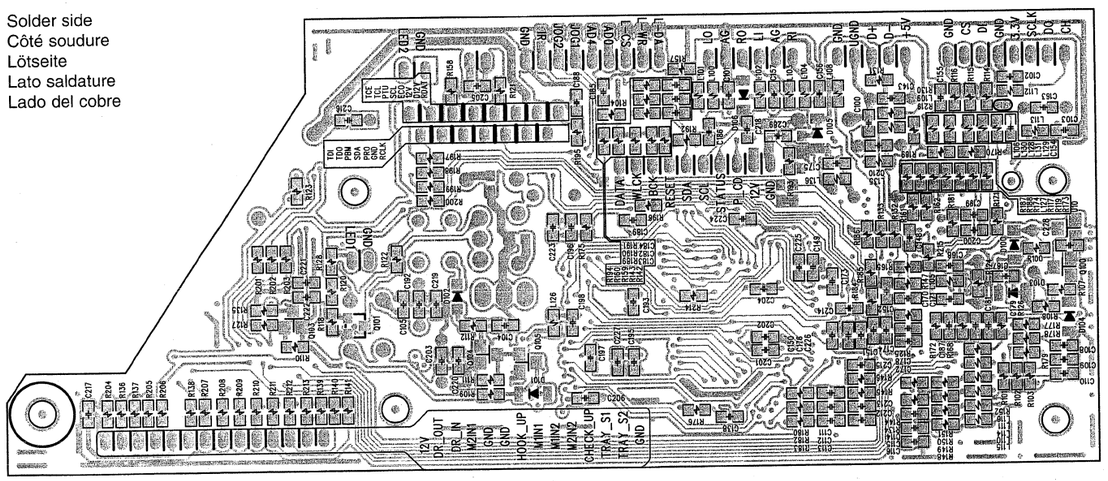


Digital processing P.C.B.
Platine traitement digital
Ltpl. Digitalverarbeitung
Piastra elaborazione digitale
Platina tratamiento digital

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



Solder side
Côté soudure
Lötseite
Lato saldatura
Lado del cobre

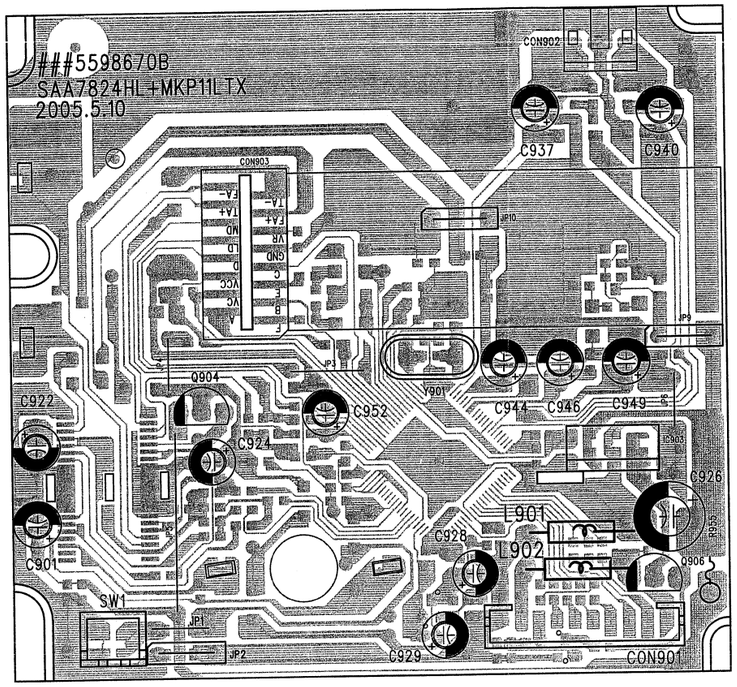


CRKD2154 / CRKD2155
First issue 08/05

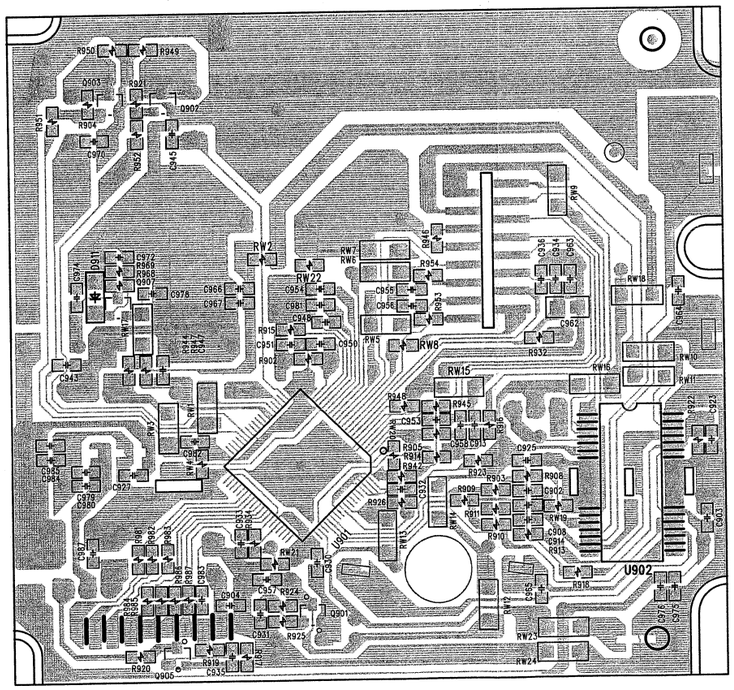
THOM-00105 / DRUCK:45

Microcontroller P.C.B.
Platine Microcontroleur
Ltpl Microcontroller
Piastra Microprocessore
Platina Microcontrolador

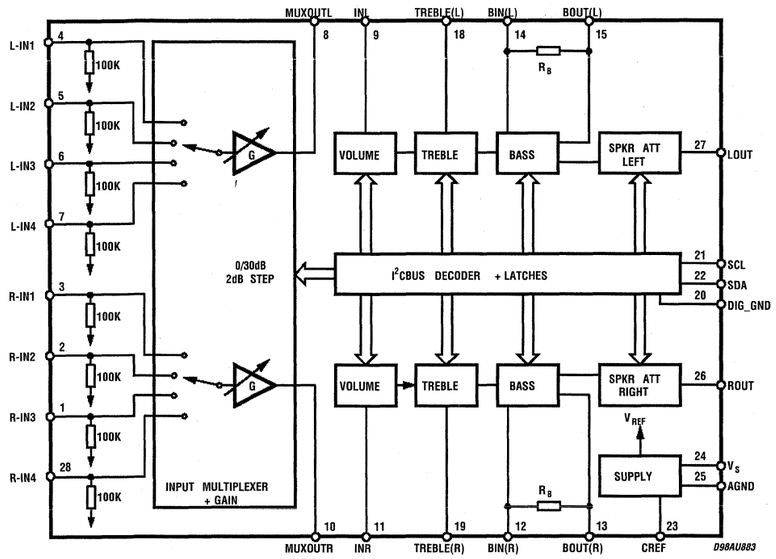
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



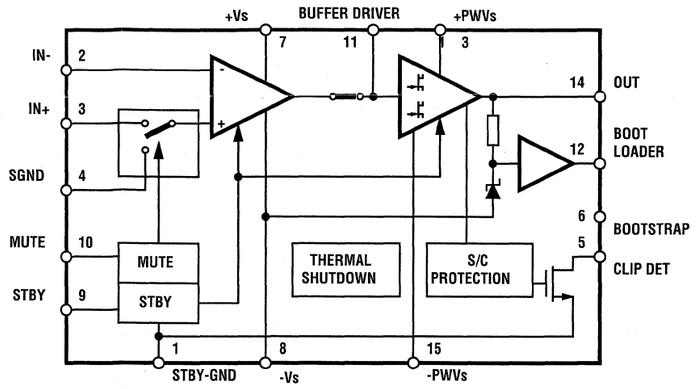
Solder side
Côté soudure
Lötseite
Lato saldatura
Lado del cobre



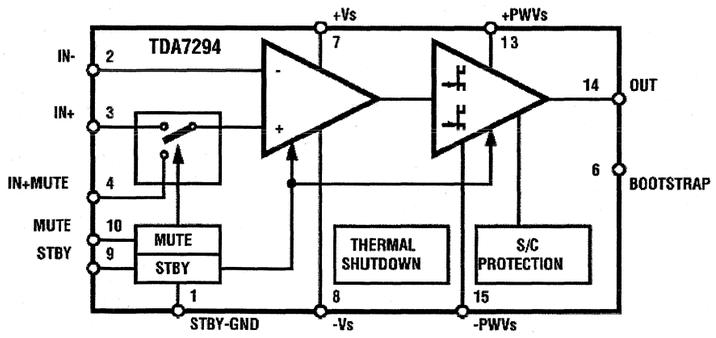
IC400 TDA7440



IC 501 / IC502 TDA7293



IC501 / IC502 TDA7294 - TDA7296



CRKD2005
First issue 08/05

THOM-00105 / DRUCK:46

THOMSON

AUDIO

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

CS900VD

Version (PC*): A

*PC: The version code is indicated either in the battery compartment or on the back of the unit - ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC: Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - il codice della versione è indicado nello scompartimento delle batterie o sul retro dell'apparecchio - el código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.

Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Caracteristicas del aparato

Type of set : **Type d'appareil :** **Geräteart :** **Tipo d'apparecchio :** **Tipo de aparato :**	Stereo pre-main amplifier - DVD Préampli-ampli stéréophonique - DVD Stéreo-Vollverstärker - DVD Preamplificatore-amplificatore stereo -DVD Préamplificador-amplificador estereo -DVD		250 mm ↕ 80 mm ↗ 300 mm 4 kg
Power supply : **Alimentation :** **Stromversorgung :** **Alimentazione :** **Alimentación :**	~ 230 V - 50Hz	**Nominal output power :** **Puissance nominale de sortie :** **Nennausgangsleistung :** **Potenza nominale di uscita :** **Potencia nominal de salida :**	2 x 10 W (RMS)
FM - MF : **MW - PO :**	87,5 - 108 MHz 522 - 1650 kHz	**Sensitivity :** **Sensibilité :** **FM - MF :** **Empfindlichkeit :** **MW - PO :** **Sensibilità :** **Sensibilidad :**	8 µV (S/N = 26 dB) 1000 µV/m (S/N = 20 dB)
DVD **Stereo separation :** **Diaphonie :** **Übersprechdämpfung :** **Diafonia :** **diafonia :**	50 dB	**Signal to noise ratio :** **Rapport signal / bruit :** **Geräuschspannungsabstand :** **Rapporto segnale / disturbo :** **Relación señal / ruido :**	70 dB

WARNING : ***Before servicing this chassis read the safety recommendations.***
ATTENTION : ***Avant toute intervention sur ce châssis, lire les recommandations de sécurité.***
ACHTUNG : ***Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.***
ATTENZIONE : ***Prima di intervenire sullo chassis, leggere le norme di sicurezza.***
IMPORTANTE : ***Antes de cualquier intervención, leer las recomendaciones de seguridad.***

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ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONI - AJUSTES

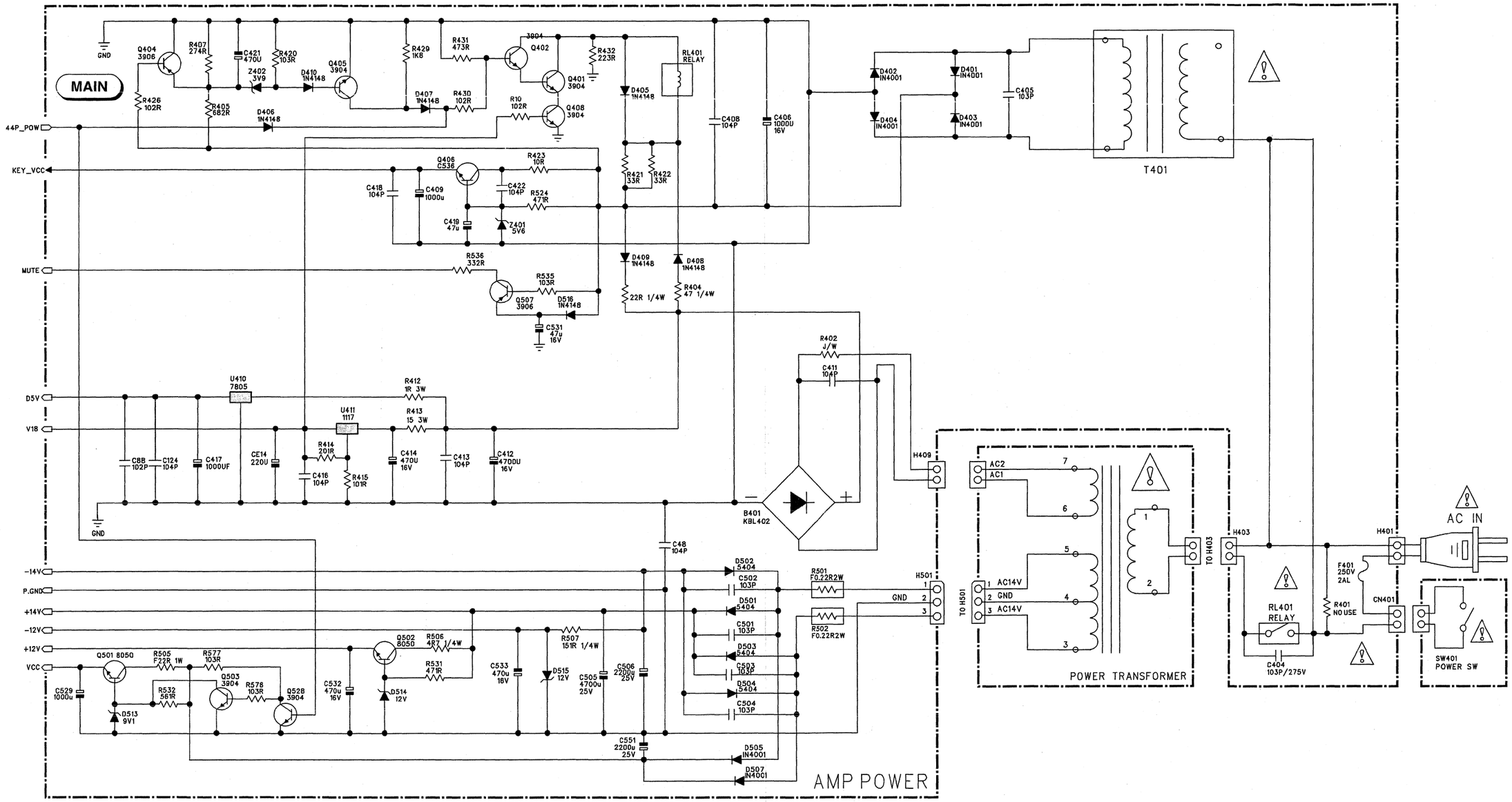
AM alignment

		Gf	f	18888 kHZ		V
IF	1		450 kHz		T1002	Max.
Osc	2	MW	530 kHz		T1003	Max.
	3		1710 kHz		PVC-C	
MW	4	Gf	600 kHz	600 kHz	T1001	Max.
	5		1404 kHz	1404 kHz	PVC-B	

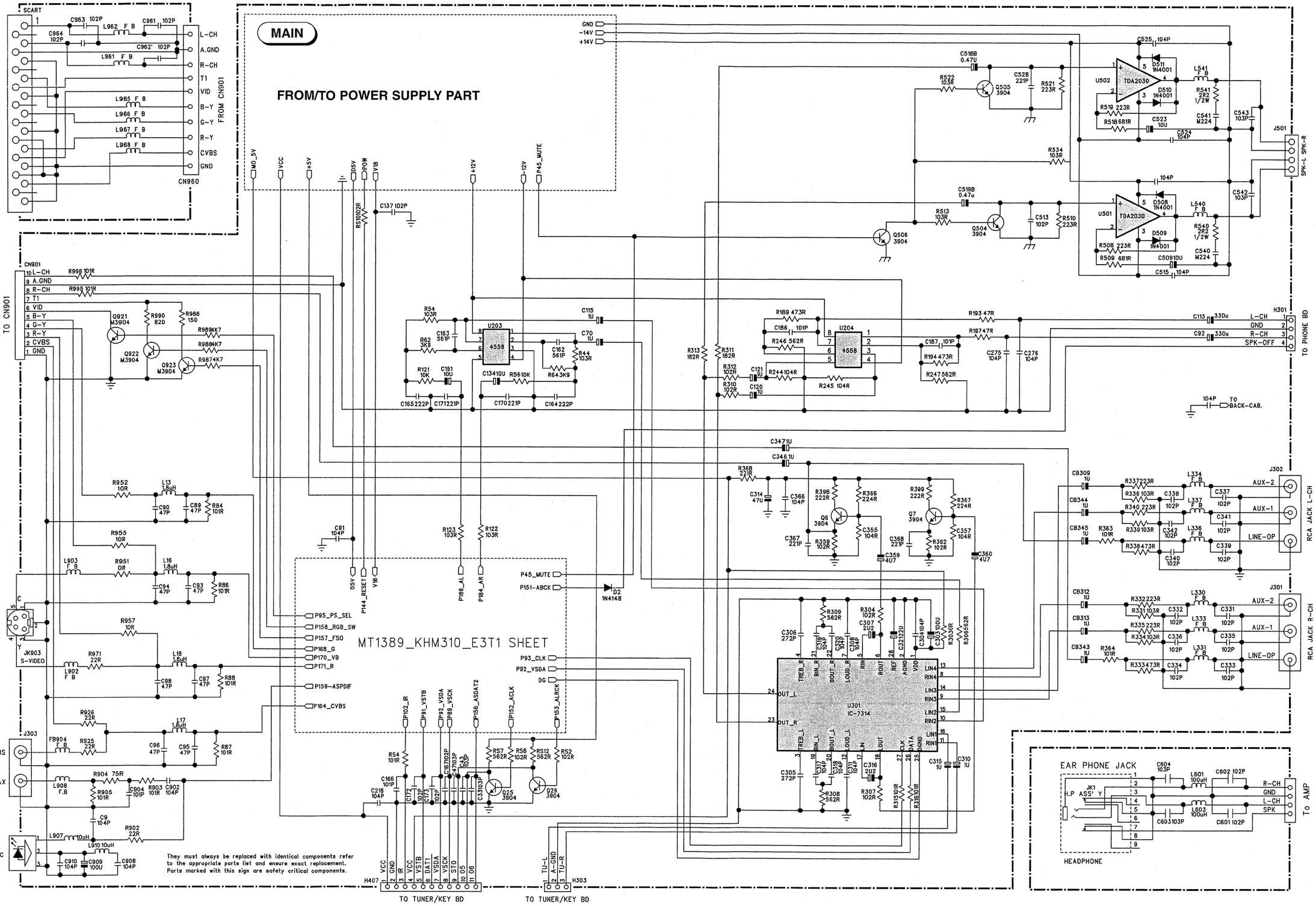
FM alignment

		Gf	f	18888 kHZ		V
IF	1	Gf Ve = 1 mV				Max. symetry
Osc	2	Gf Ve = 1 mV	87.5 MHz		L1003	Max.
	3		108 MHz		PVC-A	
RF	4	Gf Ve = 1 mV	90 MHz	90 MHz	L1004	Max.
	5		106 MHz	106 MHz	PVC-D	

POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION - SCHALTBILD NETZEIL - SCHEMA DE L'ALIMENTAZIONE - ESQUEMA DE LA ALIMENTACION



INPUT/OUTPUT SCHEMATIC DIAGRAM - SCHEMA DES ENTRÉES/SORTIES - SCHALTBILD EINGANG/AUSGANG - SCHEMA DEI INGRESS/USCITE - ESQUEMA DE LAS ENTRADAS/SALIDAS



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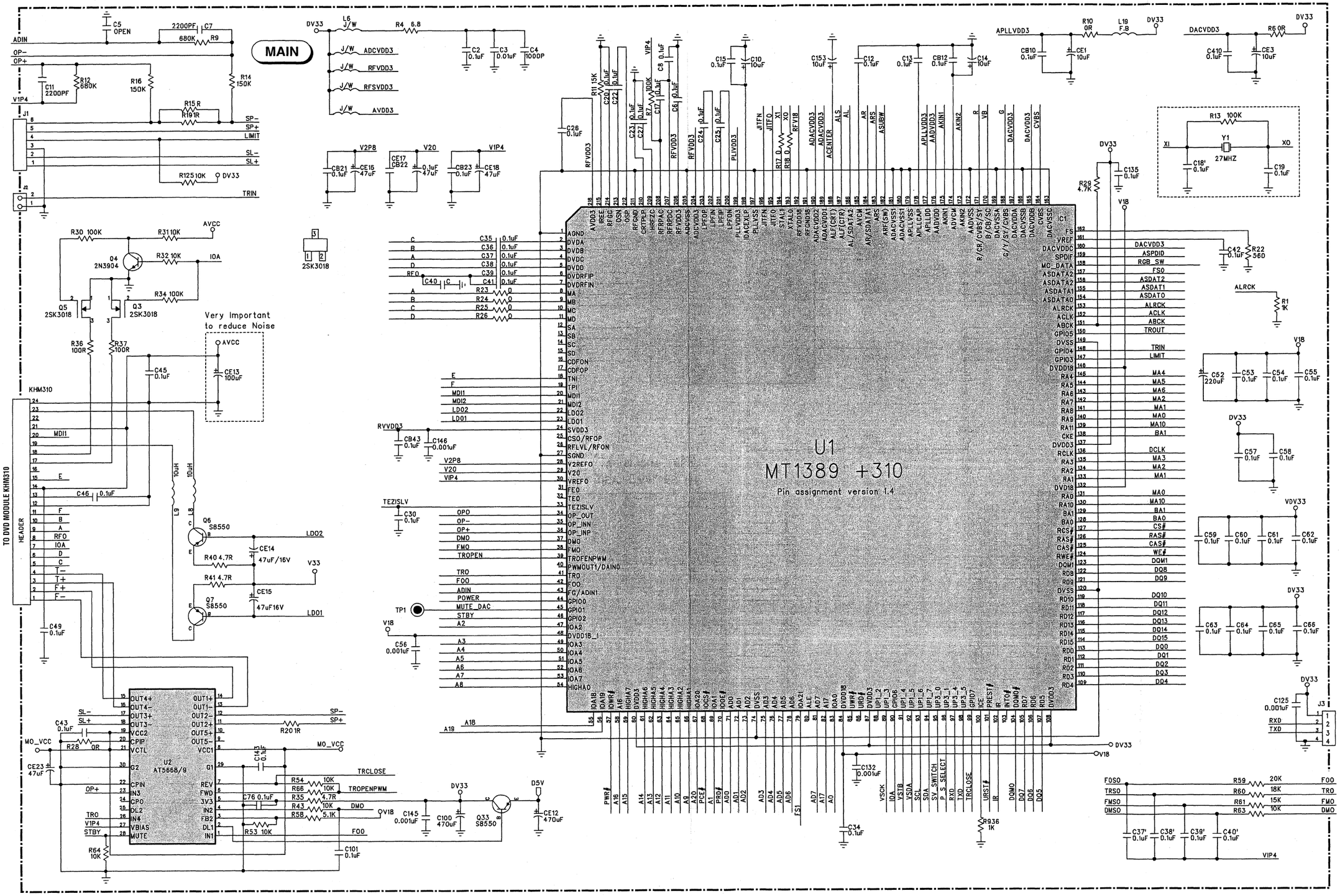
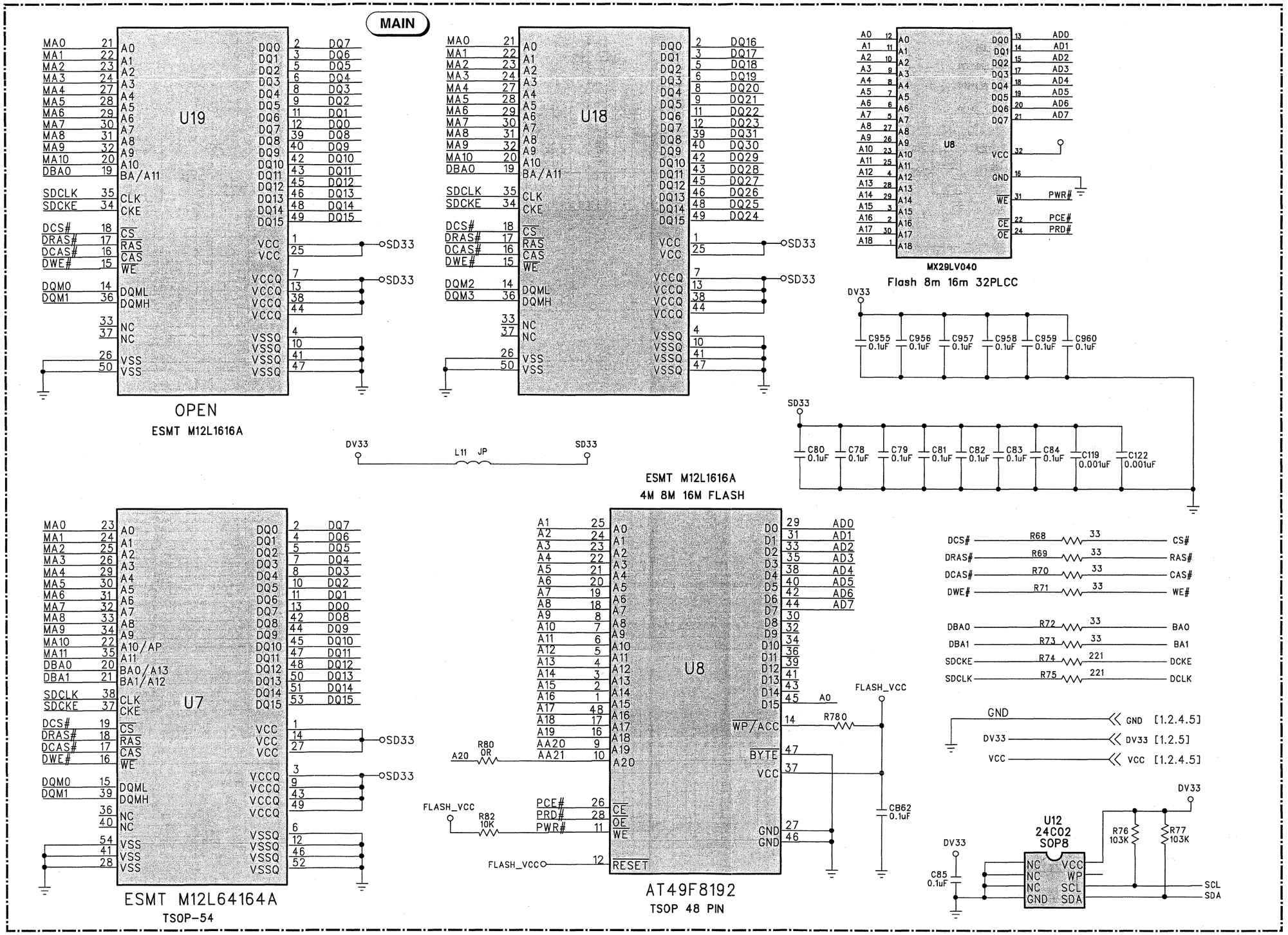
MPEG SCHEMATIC DIAGRAM - SCHEMA MPEG - SCHALTBILD MPEG - SCHEMA MPEG - ESQUEMA MPEG
1/2 (RF&MPEG)



MPEG SCHEMATIC DIAGRAM - SCHEMA MPEG - SCHALTBILD MPEG - SCHEMA MPEG - ESQUEMA MPEG
2/2 (MEMORY)



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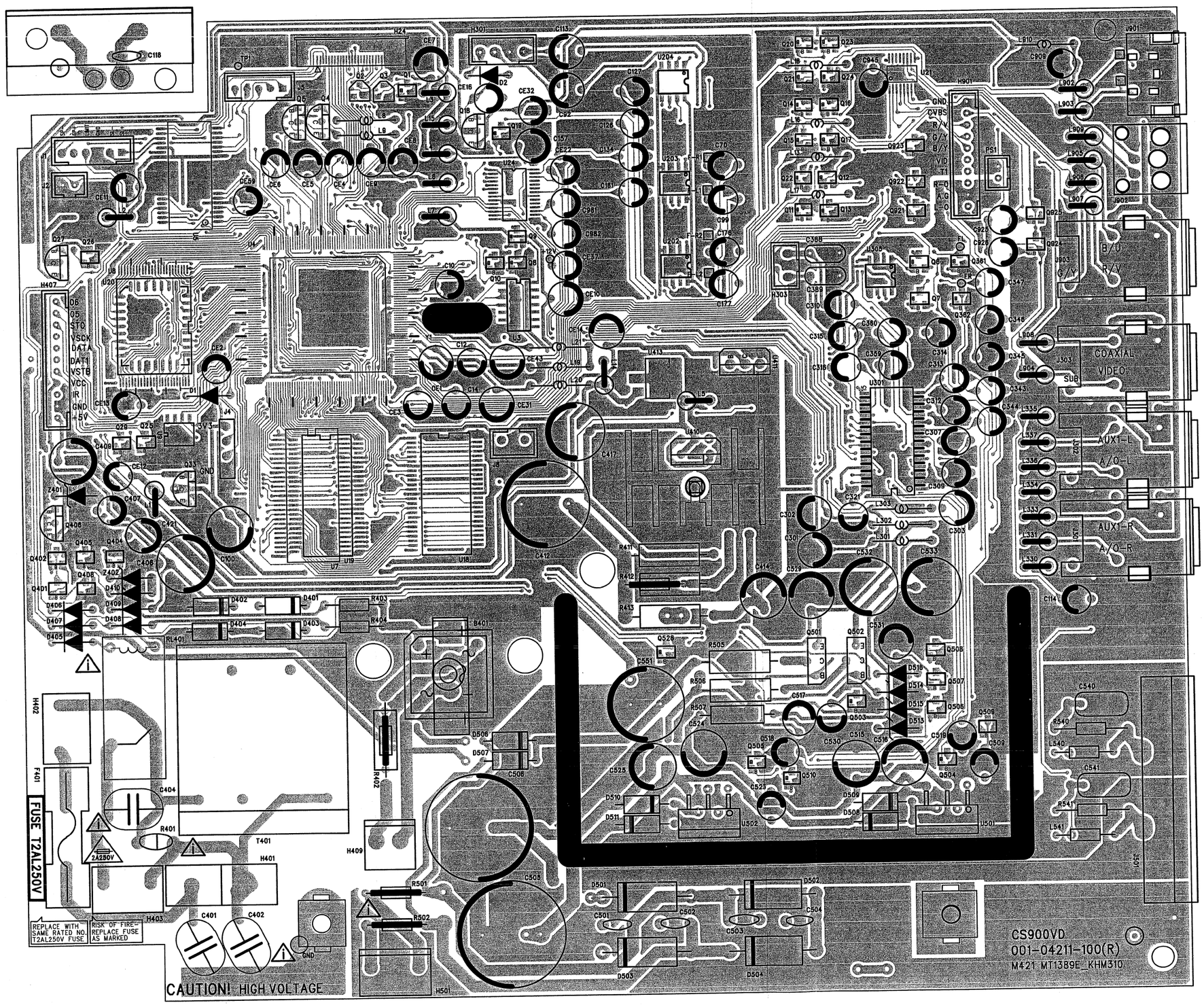
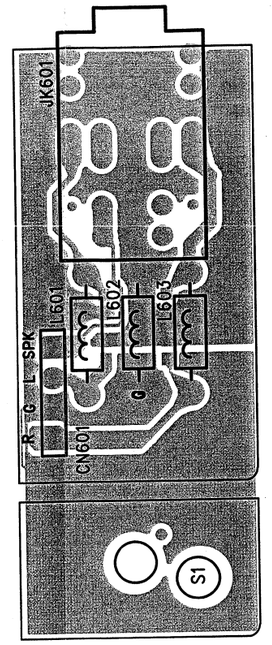
Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

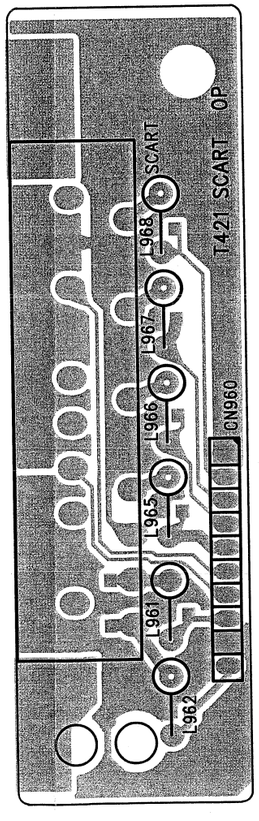
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



Headphone-jack P.C.B.
Platine prise casque
Ltpl. Kopfhörerbuchse
Piastra presa per cuffia
Platina toma auriculares

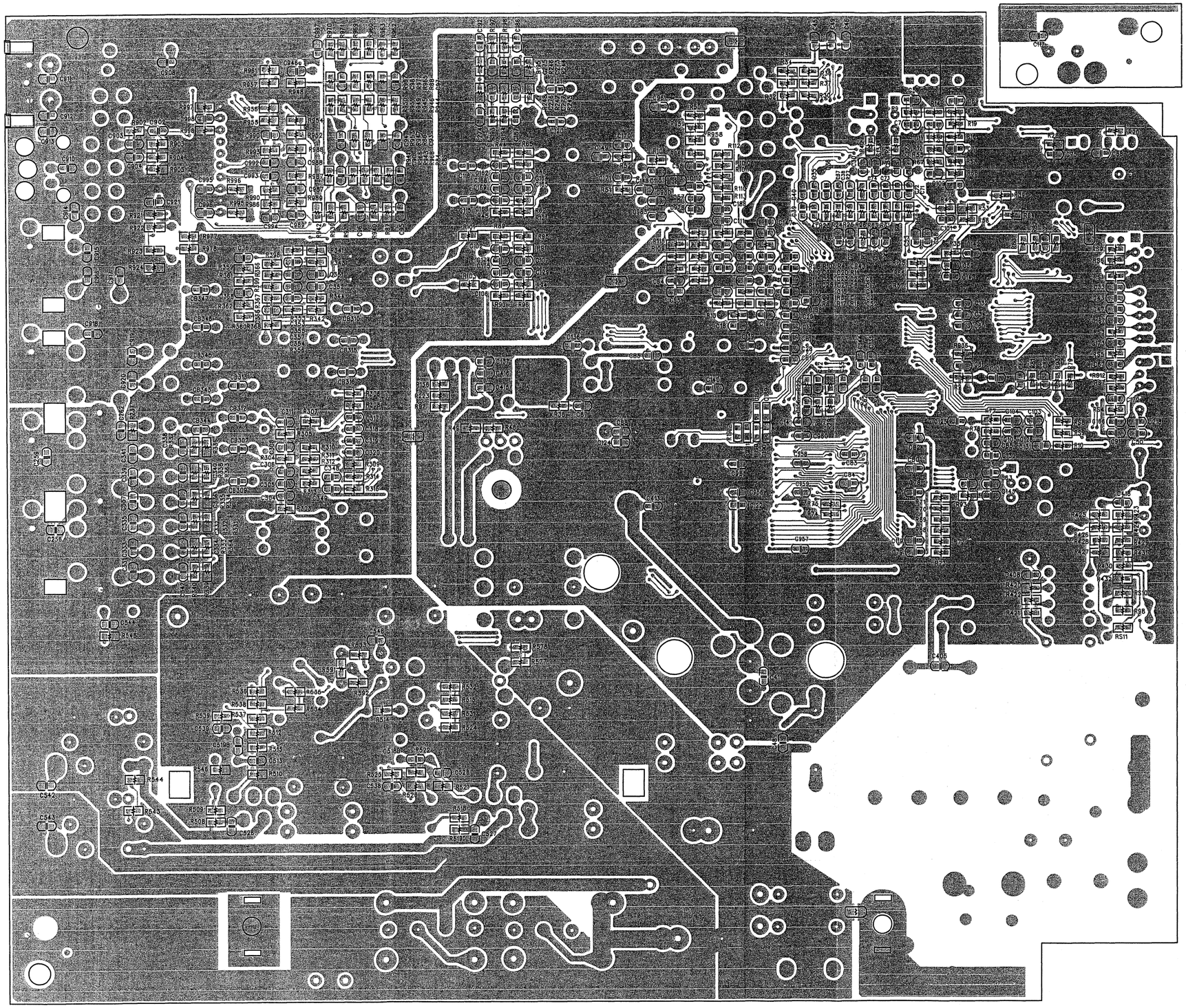


Scart interface P.C.B.
Platine interface péritélévision
Ltpl. Europa Normbuchse
Piastra presa peritel
Platina eurotoma

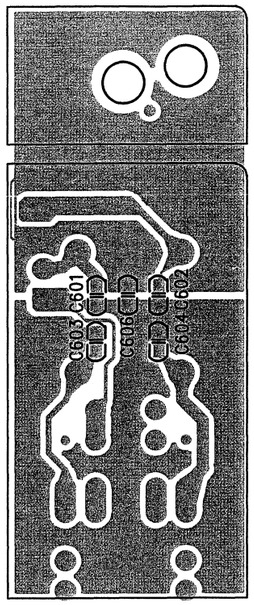


Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

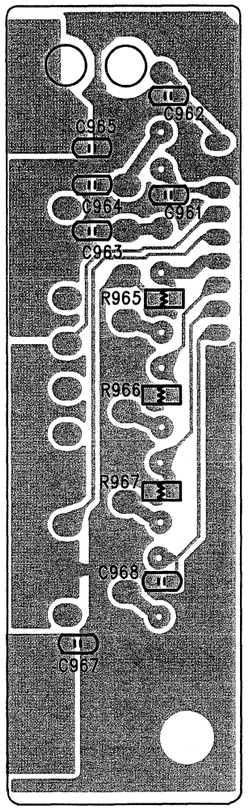
Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre



Headphone-jack P.C.B.
Platine prise casque
Ltpl. Kopfhörerbuchse
Piastra presa per cuffia
Platina toma auriculares



Scart interface P.C.B.
Platine interface péritélévision
Ltpl. Europa Normbuchse
Piastra presa peritel
Platina eurotoma



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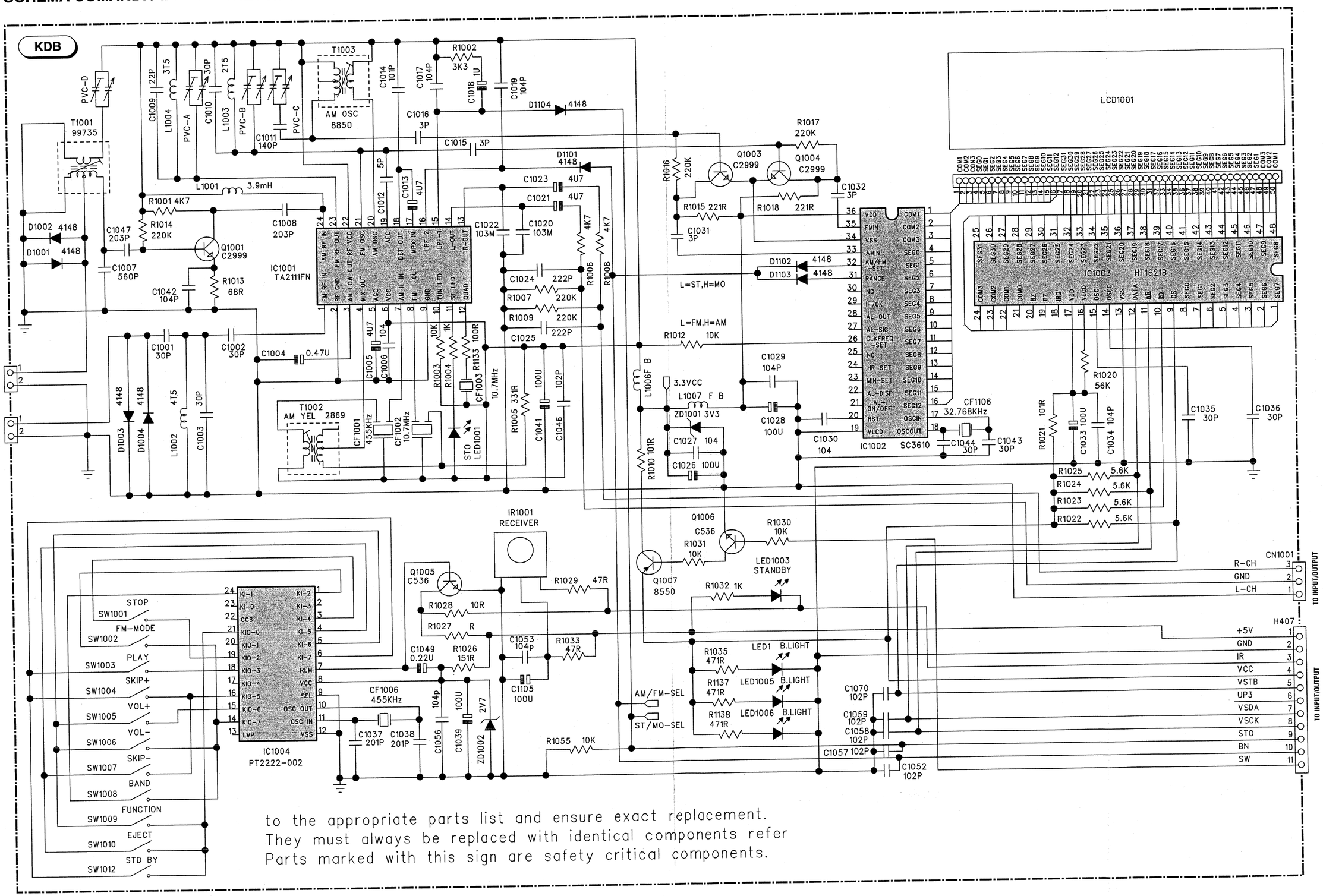
CONTROL / DISPLAY / RF / FI SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR / HF / FI - SCHALTBILD BEDIENTEIL / ANZEIGE / HF / ZF
SCHEMA COMANDI / INDICATORE / HF / FI - ESQUEMA MANDOS / INDICADOR / RF / FI

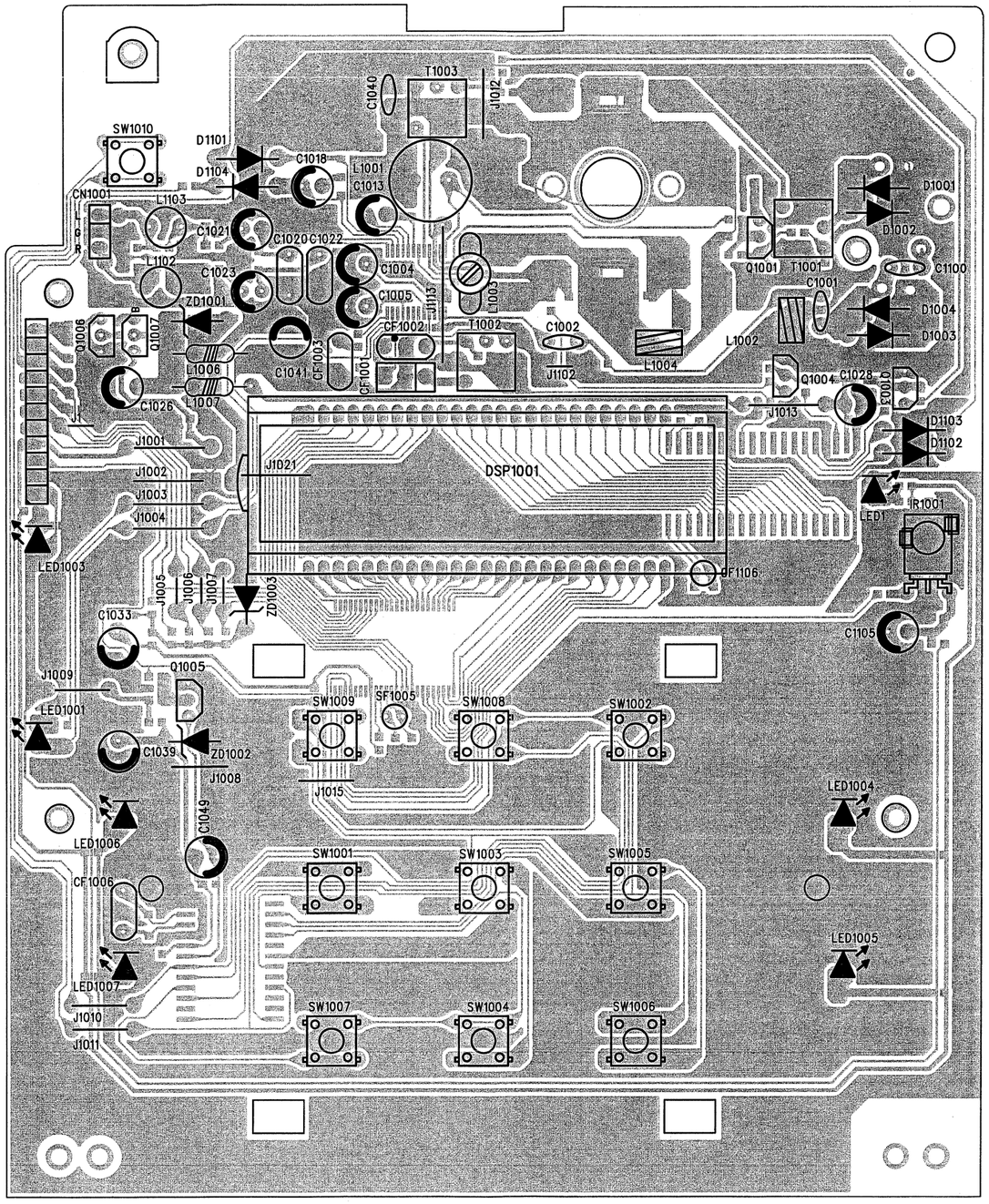


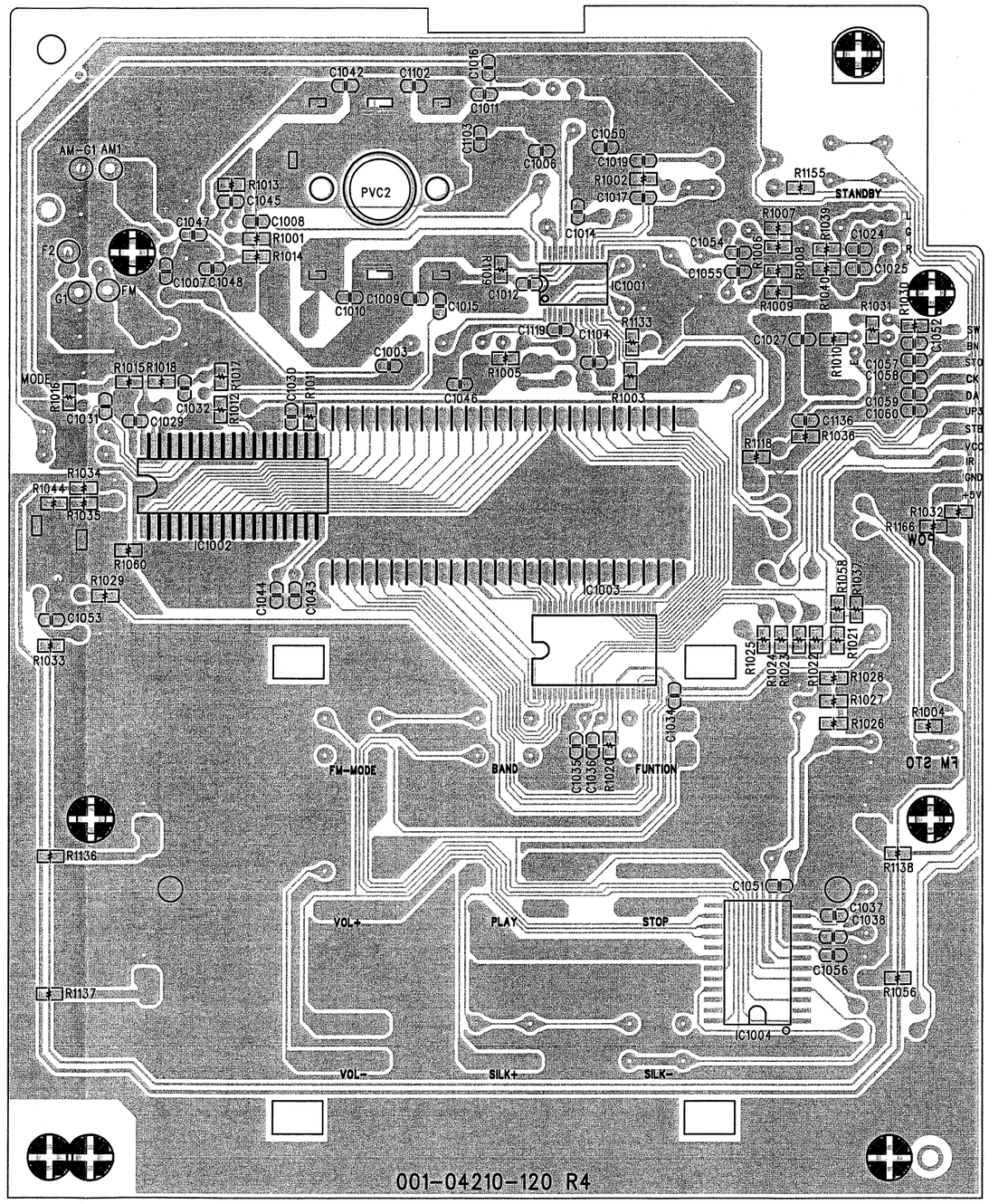
to the appropriate parts list and ensure exact replacement.
They must always be replaced with identical components refer
Parts marked with this sign are safety critical components.

Control / display / RF / FI P.C.B.
Platine commandes / afficheur / HF / FI
Ltpl. Bedienteil / Anzeige / HF / ZF
Piastra comandi / indicatore / HF / FI
Platina de mandos / indicadores RF / FI

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre





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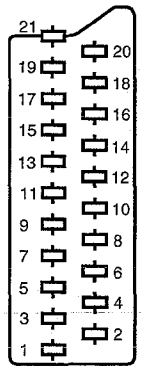
Abbreviations - Abreviations - Abkürzungen - Abbreviazioni - Abreviaciones

AC	Alternating Current
ACC	Automatic Colour Control
AGC	Automatic Gain Control
A_IF	Audio IF
ALC	Automatic Level Control
AMP	Amplifier
APC	Automatic Phase Control
AV	Audio-Video
BPF	Band Pass Filter
CH	Channel
CLK	Clock
COMP	Comparator
CONV	Converter
CSYNC	Composite Synch
CTL	Control
DC	Direct Current
DET	Detector
DIG	Digital
ENV	Envelope
EQ	Equalizer
FG	Frequency Generator
GND	Ground
GCA	Gain Controlled Amplifier
HPF	High Pass Filter
I.R	Infra Red
ID	Identification
INP/IN	Input
KDB	Key Display Board
LIM	Limitter
LPF	Low Pass Filter
PCB	Printed Circuit Board
PG	Pulse Generator
PLL	Phase Locked Loop
PWM	Pulse Width Modulation
SCL	Serial Clock
SDA	Serial Data
SMPS	Switch Mode Power Supply
SW	Switch
VCA	Voltage Controlled Amplifier
VCO	Voltage Controlled Oscillator
VD	Supply Voltage Digital
VE	Voltage (Ever)
VS	Voltage (Switched)



NOTE : (MAIN) *... etc. identifies each* pcb module.

NOTE : (MAIN) *... etc. repères des platines constituant l'appareil.*

HINWEIS : (MAIN) *... usw. Kennzeichnung der Platinen, aus denen das Gerät zusammengesetzt ist.*

NOTA : (MAIN) *... ecc. sigla delle piastre dell' apparecchio.*

NOTA : (MAIN) *... etc. marcas de las placas que constituyen el aparato.*

	ENGLISH	FRANÇAIS	DEUTSCH	ITALIANO	ESPAÑOL
1 ⊖	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"
2 ⊕	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"
3 ⊖	AUDIO "L"	AUDIO "G"	AUDIO "L"	AUDIO "S"	AUDIO "I"
4 ⊥	AUDIO	AUDIO	AUDIO	AUDIO	AUDIO
5 ⊥	"BLUE"	"BLEU"	"BLAU"	"BLU"	"AZUL"
6 ⊕	AUDIO "L" MONO	AUDIO "G" MONO	AUDIO "L" MONO	AUDIO "S" MONO	AUDIO "I" MONO
7 ⊕	"BLUE"	"BLEU"	"BLAU"	BLU	AZUL
8 ⊕	SLOW SWITCH	COMMUT. LENTE	AV UMSCHALTUNG	"COMMUTAZIONE LENTA"	"CONMUTACION LENTA"
9 ⊥	"GREEN"	"VERT"	"GRÜN"	"VERDE"	"VERDE"
10 ⊕ ⊖	AV LINK	AV LINK	AV LINK	AV LINK	AV LINK
11 ⊕	"GREEN"	"VERT"	"GRÜN"	"VERDE"	"VERDE"
12 NC					
13 ⊥	"RED"	"ROUGE"	"ROT"	"ROSSO"	"ROJA"
14 NC					
15 ⊕	"RED"	"ROUGE"	"ROT"	"ROSSO"	"ROJA"
16 ⊕	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"	"CONMUTACION RAPIDA"
17 ⊥	VIDEO	VIDEO	VIDEO	VIDEO	VIDEO
18 ⊥	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"	"CONMUTACION RAPIDA"
19 ⊖	VIDEO	VIDEO	VIDEO	VIDEO	VIDEO
20 ⊕	VIDEO OR "SYNC"	VIDEO SYNCHRO	VIDEO ODER SYNCHRO	VIDEO O SINCRO	VIDEO O SINCRO
21 ⊖	PLUG SCREEN BOX	BLINDAGE PRISE	ABSCHIRMUNG DES STECKERS	INVOLUCRO METALLICO DELLA PRESA	BLINDAJE DEL ENCHUFE

⊕ : INPUT - ENTRÉE - EINGANG - ENTRATA - ENTRADA • ⊖ : OUTPUT - SORTIE - AUSGANG - USCITA - SALIDA • ⊥ : EARTH - MASSE - MASSE - MASSA - MASA